

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
6723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
676	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
81	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	76543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition # 213, June 2015

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

Hi and welcome to the 213th edition of Numbers & Oddities.

We have only a handful of contributors this month. Come on ladies and gentlemen. Let us know what you hear. SHARE YOUR LOGS AND INFO. Without you there is NO Numbers and Oddities!!!

VOICE STATIONS



E06

13985/15830 kHz, 04-06/18-06, 0500/0600 UTC

328 569 104

48391 40241 86712 95618 48564 17806 03621 53500 45829 41573
13102 71218 71433 81925 12746 40015 74066 17145 43165 83925
53761 21694 23121 04056 27541 13174 78106 90242 31483 81427
79570 85943 88905 48197 36981 17282 99350 30790 09903 22194
28052 08190 32283 40603 00586 13036 66131 51577 32380 97932
26783 68388 47776 49501 46929 27421 68326 48629 71609 31870
75023 00346 01342 36160 74134 81769 25589 82017 21344 81548
13747 22151 83879 29253 55830 92459 45315 38143 70067 18718
82740 09752 19561 68667 70974 73719 05232 85461 93525 61327
27211 63385 64969 36155 31883 51812 94444 30303 86754 98306
44952 59618 50344 66836
569 104 00000

5731 kHz, 19-06, 2130 UTC

315 728 20

14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
728 20 00000



E07

9064/10264/11464 kHz, 01-06/ 06-06, 0600/0620/0640 UTC

724 1 645 101

10408 50583 94882 99540 64220 61121 14842 99505 68058 07221
35569 33866 67176 31196 52816 04953 24561 91430 62941 47952
24160 00443 03925 19342 91218 12306 64676 90385 97049 64403
70853 23899 26457 42875 92579 68112 77801 06437 65684 50530
47932 80766 65550 62940 34175 36751 42714 81688 68304 24749
47766 16240 96084 84311 69129 14717 85077 12274 31031 83319
96996 55353 86940 19445 70459 26437 64126 99918 27810 93764
01770 91860 98611 26902 73333 14864 50163 99603 83605 22427
75515 16509 95863 92932 60225 74601 92344 53132 35306 75182
31107 74437 76113 87584 18616 89513 83695 89813 99165 74930
79405
000 000



E07a

10766/9266 kHz, 17-06, 2020/2040 UTC

172 1 68076 8198 69
01802 71771 13207 06838 65382 39558 62806 43754 28720 95356
30259 67845 57726 94623 65171 27115 46760 04901 84952 12891
94619 88689 57855 58177 15266 74553 78269 86997 79718 59383
32029 34849 19800 96356 70807 09640 47593 34220 35933 78262
16442 86789 18724 39489 21919 73005 86179 20776 82309 74687
09153 58847 72652 32611 69657 22293 53256 96638 99560 01774
05412 52856 75133 18736 86380 47544 67913 01566 54334
000 000

7933/9133 kHz, 18-06, 0430/0450 UTC

912 1 68076 8198 69
01802 71771 13207 06838 65382 39558 62806 43754 28720 95356
30259 67845 57726 94623 65171 27115 46760 04901 84952 12891
94619 88689 57855 58177 15266 74553 78269 86997 79718 59383
32029 34849 19800 96356 70807 09640 47593 34220 35933 78262
16442 86789 18724 39489 21919 73005 86179 20776 82309 74687
09153 58847 72652 32611 69657 22293 53256 96638 99560 01774
05412 52856 75133 18736 86380 47544 67913 01566 54334
000 000

12182/11082/10182 kHz, 19-06, 1510/1530/1550 UTC

101 1 30692 5146 79
96720 25642 64490 95220 89389 11188 11140 18810 11670 65597
60736 47205 42302 47004 39973 12261 03614 71263 39127 57341
96677 54718 01299 08690 47679 06286 41604 96840 16795 61607
94800 12592 22784 60391 98594 23747 62719 60868 03641 98325
23873 86233 87786 92010 30838 94675 92261 19118 01582 14112
26628 95149 94763 45977 37630 68820 92486 46139 06582 24299
18328 24929 17049 70991 76521 71397 44911 96839 53658 79954
22452 66142 90271 60945 48882 88010 79638 10785 12405
000 000

13373/15373/14873 kHz, 20-06, 0800/0820/0840 UTC

338 1 30692 5146 79
96720 25642 64490 95220 89389 11188 11140 18810 11670 65597
60736 47205 42302 47004 39973 12261 03614 71263 39127 57341
96677 54718 01299 08690 47679 06286 41604 96840 16795 61607
94800 12592 22784 60391 98594 23747 62719 60868 03641 98325
23873 86233 87786 92010 30838 94675 92261 19118 01582 14112
26628 95149 94763 45977 37630 68820 92486 46139 06582 24299
18328 24929 17049 70991 76521 71397 44911 96839 53658 79954
22452 66142 90271 60945 48882 88010 79638 10785 12405
000 000



E11/ E11a

12924 kHz, 01-06, 0830 UTC

640/35 Attention

42473 84873 58273 44511 66524 16475 64849 02325 79904 02157
18879 86507 34383 91756 23559 64819 69413 85505 51816 37534
99564 43434 62005 56266 52374 68269 57408 22664 81278 33563
02027 94709 85418 21538 68316

Attention, rpt msg, out

14753 kHz, 02-06, 0710 UTC

637/36 Attention

15038 01858 79302 88052 08828 59413 47775 99007 65771 53379
08836 20658 25323 37241 05900 00420 59155 98598 64891 31826
58107 83706 38382 98683 99025 06469 74293 97533 43134 41522
66318 34057 21578 60407 34768 17214

Attention, rpt msg, out

15803 kHz, 02-06/03-06, 1300 UTC

136/34 Attention

06293 39950 55433 30627 87395 45482 19458 95479 41469 28094
89848 54925 88380 53806 86835 95253 74599 84443 19192 55873
14044 62444 01009 08220 32313 90097 60468 62528 65179 53010
11812 00265 55083 90287

Attention, rpt msg, out

10213 kHz, 03-06, 0930 UTC

278/36 Attention

15116 59513 77044 84578 91137 10500 29029 34688 22623 92562
38113 87740 04879 48913 90560 54108 73268 09531 12673 51761
73711 08614 49017 41111 56581 71521 98199 67302 59614 45914
48883 97273 82239 75749 40281 22228

Attention, rpt msg, out

14753 kHz, 05-06, 0710 UTC

637/36 Attention

15038 01858 79302 88052 08828 59413 47775 99007 65771 53379
08836 20658 25323 37241 05900 00420 59155 98598 64891 31826
58107 83706 38382 98683 99025 06469 74293 97533 43134 41522
66318 34057 21578 60407 34768 17214

Attention, rpt msg, out

16388 kHz, 05-06, 1110 UTC

952/35 Attention

52549 93545 25586 68830 75966 41648 73877 74613 16283 12579
07917 35932 04027 08511 99958 91029 96594 17508 66057 37625
79183 08794 41758 63079 06532 15477 75372 81836 25714 58834
83994 59334 33526 23137 21726

Attention, rpt msg, out

10487 kHz, 05-06, 1710 UTC

951/25 Attention

28370 06868 83200 97962 00726 52446 89046 46641 88638 80601
49606 16119 00529 74632 70877 99065 49996 88414 19885 49901
88414 71070 03758 66533 59820

Attention, rpt msg, out

9150 kHz, 08-06, 0820 UTC

438/30 Attention

00361 10320 48915 99319 01337 22460 81752 95035 40007 91481
51502 23136 49417 45397 96195 08825 42746 65352 21952 49694
37289 23052 03044 21198 83460 59407 46602 76672 92134 25955
Attention, rpt msg, out

16388 kHz, 08-06, 1110 UTC

953/25 Attention

13169 83062 38292 56489 29677 81349 07113 39568 66456 61446
86018 96986 85716 44480 72241 70263 09651 23866 20337 43302
32372 40674 29014 72231 09781
Attention, rpt msg, out

10487 kHz, 08-06, 1710 UTC

950/37 Attention

76168 51387 95611 52676 96633 04519 69383 01513 66481 67719
41122 61306 49007 91476 43482 56427 80411 29087 04009 61462
50363 46131 58731 53822 55317 25773 87395 76920 22711 40750
70522 07288 62248 80570 50404 82903 87074
Attention, rpt msg, out

13427 kHz, 10-06, 0900 UTC

533/36 Attention

75906 40096 47099 36893 50829 89191 08703 82331 21010 62061
47473 02724 73635 69113 45179 38194 46144 68507 63167 07876
18508 22708 53838 59550 12970 08210 73469 60990 70470 78036
54003 65181 95145 58029 61345 75445
Attention, rpt msg, out

9610 kHz, 10-06, 1045 UTC

466/34 Attention

28404 59181 50090 26806 45099 75795 88620 96036 09567 51762
81898 13514 71805 51299 98473 62202 19874 31056 50298 26117
23047 57369 08643 41205 35810 90177 89995 68887 01142 50264
83464 44056 10033 81431
Attention, rpt msg, out

14865 kHz, 10-06, 1705 UTC

399/33 Attention

76077 75359 07173 76160 46501 41855 57433 32600 05981 37342
16872 77748 59897 93708 48614 67150 77262 62113 60360 46162
07919 63370 14363 12391 71091 85015 25298 93758 98832 69624
08647 99591 62394
Attention, rpt msg, out

9150 kHz, 11-06, 0745 UTC

438/30 Attention

00361 10320 48915 99319 01337 22460 81752 95035 40007 91481
51502 23136 49417 45397 96195 08825 42746 65352 21952 49694
37289 23052 03044 21198 83460 59407 46602 76672 92134 25955
Attention, rpt msg, out

10487 kHz, 12-06, 1710 UTC

951/25 Attention

58561 06545 42524 20406 00286 56538 80275 09315 91191 06913
15562 08182 13095 23223 83352 35675 92873 07072 18850 08044
62620 89793 07389 60868 27486
Attention, rpt msg, out

14865 kHz, 13-06, 1705 UTC

399/33 Attention

76077 75359 07173 76160 46501 41855 57433 32600 05981 37352
16872 77748 59897 93708 48614 67150 77262 62113 60360 46162
07919 63370 14363 12391 71091 85015 25298 93758 98832 69624
08647 99591 62394

Attention, rpt msg, out

13424 kHz, 16-06, 0645 UTC

511/35 Attention

06794 37400 35994 50092 37824 05204 64956 70626 76662 59952
39260 14209 85923 92723 25510 16076 88012 43099 28663 42023
40332 43910 92647 60830 68314 89362 42858 27128 12262 65216
70175 57782 14362 75414 67703

Attention, rpt msg, out

15632 kHz, 16-06, 0745 UTC

333/36 Attention

37712 30279 12978 32765 89476 85851 60750 79669 47646 41515
93579 22970 91121 26784 91886 48381 44477 55256 28660 77199
53278 76812 63032 83958 69644 25061 54656 77099 42508 67583
76735 61541 66050 56775 67025 94435

Attention, rpt msg, out

13424 kHz, 17-06, 0545 UTC

343/34 Attention

81602 18955 14303 40160 22752 35825 64234 95528 26967 21256
66821 71828 75030 44895 25757 59573 54016 10667 07460 54829
08480 12454 89075 94549 78337 15622 78920 21722 08393 91845
02497 42463 51105 37974

Attention, rpt msg, out

13424 kHz, 17-06, 0645 UTC

511/35 Attention

06794 37400 35994 50092 37804 05204 64956 70626 76662 59952
39260 14209 85923 92723 25510 16076 88012 43099 28663 42023
40332 43910 92647 60830 68314 89362 42858 27128 12262 65216
70175 57782 14362 75414 67703

Attention, rpt msg, out

15632 kHz, 18-06, 0745 UTC

333/36 Attention

37712 30279 12978 32765 89476 85851 60750 79669 47646 41515
93579 22970 91121 26784 91886 48381 44477 55256 28660 77199
53278 76812 63032 83958 69644 25061 54656 77099 42508 67583
76735 61541 66050 56775 67025 94435

Attention, rpt msg, out

16388 kHz, 19-06, 1110 UTC

952/31 Attention

57229 77421 12677 77476 80729 78464 73414 31090 44951 72240
64501 27136 20674 58872 38904 54689 05155 18280 47967 46315
98583 00410 22272 11033 53145 58639 55555 71557 34404 11904
16458

Attention, rpt msg, out

13537 kHz, 19-06, 1225 UTC

524/35 Attention

89468 80506 29008 90270 42886 58673 98524 15705 77120 93492

53146 57315 21529 16695 80730 28585 95859 17617 18747 36857
95784 47441 76289 71213 46685 99386 84424 08669 02739 89473
97161 53282 16454 42255 71637

Attention, rpt msg, out

14975 kHz, 21-06, 0805 UTC

312/36 Attention

20509 45167 31037 95929 24901 72451 71394 98369 03534 69368
02629 81721 16343 97426 61746 66535 51860 39918 47795 79701
65333 42337 92478 79844 73760 45605 29674 89204 12945 34447
48060 30021 52979 23608 93142 19126

Attention, rpt msg, out

9610 kHz, 22-06, 0745 UTC

264/32 Attention

78367 17746 48332 70626 49754 88675 42126 49479 70471 39386
12673 98157 06097 76966 46157 31656 19462 28522 60587 21752
85097 83104 21704 35681 16389 79379 79163 17911 54267 32201
46494 71422

Attention, rpt msg, out

16388 kHz, 22-06, 1110 UTC

950/31 Attention

08962 57044 03010 85733 58566 52122 60112 18219 68214 21980
06962 57610 61094 82159 77164 26633 94756 21152 56621 45414
09234 99406 99830 72608 96982 83675 87478 30737 61265 15708
28865

Attention, rpt msg, out

10487 kHz, 22-06, 1710 UTC

951/21 Attention

46050 13966 69769 24474 79317 27740 03539 36539 70951 34811
01495 67613 93090 48072 58735 82201 84772 83367 40208 41908
90557

Attention, rpt msg, out

8565 kHz, 24-06, 0315 UTC

250/37 Attention

53782 17762 09233 15991 28463 41071 01803 10818 94387 79927
03289 94443 16919 48270 62785 96641 43100 29712 25415 14513
30198 16538 35665 29561 45380 92122 51269 05643 04480 99872
44356 77874 26140 58854 25027 12716 36328

Attention, rpt msg, out

16388 kHz, 26-06, 1110 UTC

950/31 Attention

98384 17550 88609 65340 60989 05162 81656 96436 04513 73115
91549 82405 87130 52478 24828 38613 66019 56167 99424 79290
58574 27047 45926 93090 21312 95164 31041 58555 41898 82000
13274

Attention, rpt msg, out

9130 kHz, 28-06, 2005 UTC

367/31 Attention

73107 46686 95652 40152 09247 91346 18561 91418 79134 75335
79193 56519 92870 03125 64182 24808 90853 43586 87809 25644
70781 01819 88937 16927 85428 85962 33245 68137 54027 59946
43701

Attention, rpt msg, out

13722 kHz, 02-06, 1400 UTC

981/10 Attention 66707 91873 27057 22185 40701 09487 61530 40333 98838 76841 Attention, rpt msg, out

14518 kHz, 02-06, 2010 UTC

982/10 Attention 06358 31972 40257 02038 22933 88570 65320 92446 32905 88717 Attention, rpt msg, out

13722 kHz, 06-06, 1400 UTC

981/10 Attention 92304 19731 08046 60115 19681 41653 81639 80527 78137 65108 Attention, rpt msg, out

14769 kHz, 13-06, 0530 UTC

980/10 Attention 22623 36142 97731 21315 85966 53213 49111 73137 25566 69632 Attention, rpt msg, out

13722 kHz, 13-06, 1400 UTC

981/10 Attention 95013 04862 28157 50230 98213 51210 74179 37106 26863 59944 Attention, rpt msg, out

14518 kHz, 13-06, 1810 UTC

982/10 Attention 85365 99592 05297 12981 20471 15611 87146 42262 60770 90514 Attention, rpt msg, out

14769 kHz, 16-06, 0530 UTC

982/10 Attention 30910 85095 91539 69211 43891 31906 92816 08243 51686 06260 Attention, rpt msg, out

13722 kHz, 16-06, 1400 UTC

981/10 Attention 74526 06527 31920 16329 92945 36932 99102 34358 31759 44657 Attention, rpt msg, out

14518 kHz, 16-06, 1810 UTC

980/10 Attention 89571 44767 31278 57472 33873 64269 36058 18240 46688 74092 Attention, rpt msg, out

13722 kHz, 20-06, 1400 UTC

982/10 Attention 39851 05805 16282 62380 25716 43101 55499 24660 37866 20265 Attention, rpt msg, out

14518 kHz, 20-06, 1810 UTC

983/10 Attention 67158 54200 52713 26276 97141 39534 83904 34543 67528 45600 Attention, rpt msg, out

14518 kHz, 27-06, 1810 UTC

985/10 Attention 13353 28839 48465 91370 25065 60151 09616 42744 52006 18594 Attention, rpt msg, out

14769 kHz, 27-06, 0530 UTC

983/10 Attention 89001 86410 16201 45227 23305 52526 38402 14393 23544 61133 Attention, rpt msg, out

14769 kHz, 30-06, 0530 UTC

980/10 Attention 43285 19247 47231 86828 76545 70785 77514 54494 43176 51408 Attention, rpt msg, out

14517 kHz, 30-06, 1810 UTC

982/10 Attention 02251 93109 95948 20662 22296 75407 74647 43277 28138 58005 Attention, rpt msg, out



E17z

12850 kHz, 11-06, 0810 UTC

674 259 8 52401 63919 92699 14600 74248 48754 65125 41879 259 8 00000

16780/12850 kHz, 18-06/25-06, 0800/0810 UTC

674 982 5 80744 86200 87706 42227 61735 982 5 00000



G06

6887 kHz, 11-08, 1830 UTC

842 317 20
37830 35787 98273 60187 16200 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
317 20 000000

5943 kHz, 12-06, 1930 UTC

218 394 20
06130 75514 79681 94217 21443 31441 81797 17512 62689 33123
48930 93432 25709 93628 48683 18809 85052 49870 63962 04884
394 20 000000

5943 kHz, 26-06, 1930 UTC

Starts at 1929 UTC with several times 218. Stops after 1,5 mins. Carrier off at 1950 UTC



S06

15721 kHz, 02-06, 0400 UTC

480 539 60
88795 52950 89013 02441 43449 84486 27789 50512 98441 50878
08180 51183 78093 44201 17992 55565 73392 71521 28164 71453
63814 07738 75769 72083 29869 02051 15086 45222 67300 92724
10166 49777 38887 09842 67349 72116 24779 70727 31159 99276
57306 97748 92004 51259 51195 13148 79151 39592 65136 90631
37369 44351 55638 68370 10716 26825 09096 53125 81890 20009
539 60 00000

15721 kHz, 04-06, 0400 UTC

480 969 50
57278 28893 93395 32846 63744 56197 82044 22953 79728 19132
90596 29163 98246 00139 93059 05480 84114 72282 74749 53457
94977 48191 95759 33302 05581 45118 34997 77809 46187 20793
88225 76319 91094 59775 18545 20869 58194 14973 82755 31759
05498 34028 82029 04682 35570 25253 10352 46634 43817 42807
969 50 00000

15721 kHz, 04-06, 0400 UTC

480 127 60
78421 67195 87500 14577 19626 27804 81341 27142 46024 11551
28287 50090 37716 33949 55975 46978 14309 77195 71159 05463
58498 51807 86660 65787 27240 96252 38250 98974 11464 19252
14920 51912 30252 14448 50966 01524 70440 02118 53324 85204
07554 77635 62603 99715 69033 71348 71238 85728 25687 49573
47218 40192 22296 11394 36812 23728 83325 60942 44741 55224
127 60 00000

15721 kHz, 19-06, 0400 UTC

480 251 60
28264 71953 94166 63036 16365 52644 30860 74334 20115 48219
95492 44479 71654 39570 68476 30283 03842 10012 36477 90548
13018 27846 48983 87630 60537 22768 44101 35180 05258 17067
48281 15523 84170 97535 79655 15101 83371 39058 09681 51421
66541 15777 62762 X9942 53140 60809 58559 74345 63494 60426
26649 18613 72963 93651 48248 34369 42379 53195 04669 91908
251 60 00000

15721 kHz, 22-06, 0400 UTC

480 769 50
20818 93654 29001 77313 80504 48285 89689 51146 65189 67198
51050 38712 40714 02716 65300 29096 67511 07087 19041 57140
03951 67924 04227 27024 67971 35157 46648 23438 36713 37917
84124 71294 88818 14805 11591 29913 19102 05976 35267 32613
80263 80476 03095 07652 31347 97273 03634 41456 97622 23412
769 50 00000



S11a

4870 kHz, 03-06, 1955 UTC

376/31 Vnimanie
85525 76275 22812 38478 35644 24974 21952 14617 84605 34295
57524 73848 25562 25271 58022 38277 81335 38850 21285 27164
99376 58944 15005 02609 34776 54471 04035 12529 69954 77158
44793
Vnimanie, rpt msg, out

11581 kHz, 16-06, 1020 UTC

420/38 Vnimanie
49278 51422 13414 92530 55336 47243 43630 71145 94532 73212
74954 12109 86728 60853 71370 80918 57481 12195 93109 14766
03964 69170 80073 35079 30003 60341 94351 94021 85992 54520
15695 39543 63872 19633 13666 37115 53682 08602
Vnimanie, rpt msg, konec

11581 kHz, 19-06, 1020 UTC

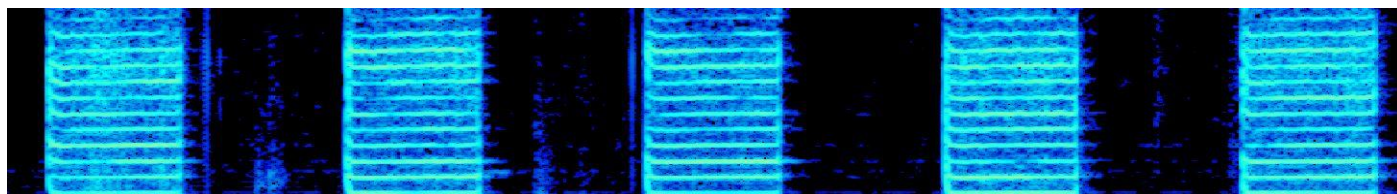
420/38 Vnimanie
49468 51422 13414 92530 55336 47243 43630 71145 94532 73212
74954 12109 86728 60853 71370 80918 57481 12195 93109 14766
03964 69170 80073 35079 30003 60341 94351 94021 85992 54520
15695 39543 63872 19633 13666 37115 53682 08602
Vnimanie, rpt msg, konec



S28 - The Buzzer

Mode: USB
Frequency: 3216 & 4625 kHz

01-06, 1333 UTC	MDZhB 08 236 VZODRANIYe 7604 0213
01-06, 1435 UTC	MDZhB 61 803 IZOGALINA 2977 8268
04-06, 1853 UTC	Short breakdown on Kerro tx site (Irtysh)
04-06, 1546 UTC	Short breakdown on Kerro tx site (Irtysh)
04-06, 1426 UTC	MDZhB 92 682 UZKIJ 0369 4782
07-06, 2033 UTC	Inaudible. Short breakdown on Kerro tx site (Irtysh)
07-06, 2017 UTC	Marker generator power failure
07-06, 1243 UTC	MDZhB 91 027 VZDYeRZhKA 2963 2439
08-06, 1104 UTC	MDZhB 67 520 AZARINA 9231 7667
08-06, 1059 UTC	MDZhB 86 500 IZACHYeN 7837 7002
08-06, 1000 UTC	MDZhB 41 915 VZVOZ 5004 3163
11-06, 1457 UTC	MDZhB 46 393 NYeChUTKOST' 8692 9878
11-06, 1358 UTC	MDZhB 78 373 VYeShNIJ 5238 8698
11-06, 0825 UTC	MDZhB 03 352 DZhAVYeC 5313 5009
11-06, 0805 UTC	MDZhB 06 556 DZhYeMPYeR 1248 3324



Buzzer channel marker

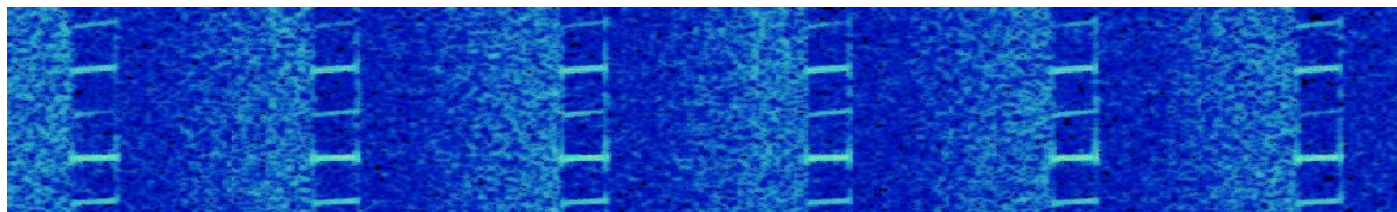
15-06, 1057 UTC	MDZhB 58 626 PYeHOTINYeC 6755 5011
15-06, 0928 UTC	MDZhB 79 348 VYeChYeYa 2626 2962
16-06, 1052 UTC	MDZhB 15 085 CYeTRARIJ 9828 7654
16-06, 0958 UTC	MDZhB 15 548 MYeTROKIN 7787 1578
16-06, 0929 UTC	MDZhB 97 647 NYeTYNDA 6770 5294
18-06, 1712 UTC	MDZhB 56 447 PYeTALIT 5785 1186
18-06, 1541 UTC	MDZhB 55 764 NYeTVYeRDYJ 3912 0447
18-06, 1424 UTC	MDZhB 59 199 MYeTIACIL 8013 7846
18-06, 1334 UTC	MDZhB 57 959 VYeTIVINOL 2378 3591
22-06, 1248 UTC	MDZhB 72 408 MYeTAKSIT 2839 2100
22-06, 1325 UTC	MDZhB 21 556 NYeSUSShchIJ 3698 3417 FYeSTUKA 6726 3463
22-06, 1529 UTC	MDZhB 36 781 BESSChYeTNYJ 0485 7799
22-06, 1727 UTC	MDZhB 32 588 BYeSSOYuZNYJ 6510 1139
29-06, 1341 UTC	MDZhB 56 511 TYeRKA 5601 8520
29-06, 1341 UTC	MDZhB 62 026 PYeRLOVICA 9989 9604. Duty officer forgot to switch off the marker
29-06, 1312 UTC	MDZhB 33 378 KYeRNIT 9181 5772



S30 - The Pip

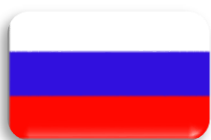
Modes: CW (Pip), USB (messages)
Frequencies: 3756 kHz (night), 5448 kHz (day)

5448 kHz, 01-06, 1417 UTC	8S1Shch 23 376 KANTILYeNA 0064 8423. Error on first read in codeword
5448 kHz, 01-06, 1335 UTC	8S1Shch 49 969 GANZA 9013 4883
5448 kHz, 01-06, 0505 UTC	61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8MV
3756 kHz, 02-06, 2008 UTC	F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS
3756 kHz, 07-06, 1740 UTC	L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ
3756 kHz, 09-06, 1844 UTC	KZI' TShchShchs VKY1 HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27



Pip channel marker

3756 kHz, 17-06, 1746 UTC FY5E F61N Z7CN MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT 'U1B
 5448 kHz, 18-06, 1548 UTC 8S1Shch 22 201 OTDYeLOChNIK 8306 6522
 5448 kHz, 19-06, 0415 UTC 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O CIHS
 5448 kHz, 19-06, 1500 UTC 8S1Shch 95 499 SIGNALIST 8111 6244
 5448 kHz, 19-06, 1529 UTC 8S1Shch 29 190 ORYeADA 8810 1603
 5448 kHz, 19-06, 1604 UTC 8S1SHCH weather forecast: V blizhayshchiye 1-3 chasa, s sokhraneniym do kontsa sutok 19 iyunya po territorii Kabardino-Balkarskoy respublikii ozhidayetsya ochen' sil'nyy veter, liven', pod'yem urovnya rek do neblagopriyatnykh otmetok, v gorakh skhod seley v malykh ob'yemakh
 5448 kHz, 22-06, 1528 UTC 8S1Shch 24 316 DICIAN 9614 4795
 5448 kHz, 22-06, 1721 UTC 8S1Shch 87 030 INMAR 8708 7080
 5448 kHz, 23-06, 1611 UTC ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO
 3756 kHz, 24-06, 1737 UTC F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS
 3756 kHz, 27-06, 1859 UTC Y8VM 6I2Zh 8CSHchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI
 3756 kHz, 28-06, 1814 UTC F61N 37CN MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG



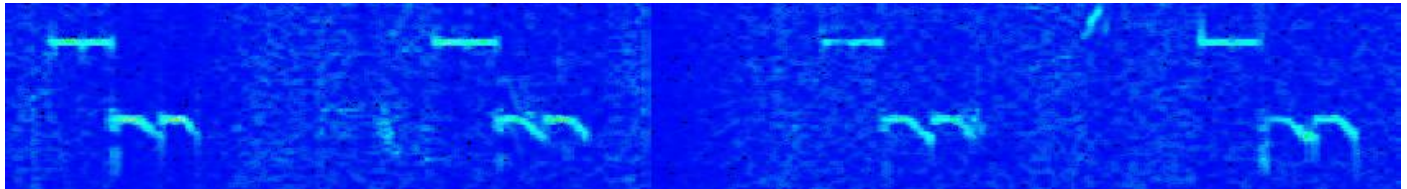
S32 - Squeaky Wheel

Mode: USB

Frequencies: 3838 kHz (night), 7009//5473 kHz (day)

7009 kHz, 01-06, 1423 UTC ALFA-45 15 199 VORONYeC 3142 3842
 7009 kHz, 01-06, 1340 UTC ALFA-45 75 354 TRANSFYeRIT 7751 9912
 3828 kHz, 03-06, 1209 UTC ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27
 7009 kHz, 03-06, 1749 UTC LANDYSh-74 NYeVKA-26 DZhiGIT-46 PYeSOChNYJ-21 KURGAN-40
 7009 kHz, 03-06, 1229 UTC ALFA-45 60 378 DIRBORNYeC 5261 4706
 7009 kHz, 03-06, 0845 UTC SLIVA-94 STOROZh-62 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32
 7009 kHz, 04-06, 1439 UTC ALFA-45 77 108 ZUBOChANIN 1724 3988
 7009 kHz, 04-06, 1427 UTC ALFA-45 82 424 ZUBOChANIN 1724 3988
 7009 kHz, 04-06, 1327 UTC ALFA-45 82 424 DUNST 8037 1918
 7009 kHz, 04-06, 1318 UTC ALFA-45 48 767 HABUR 9801 9913. Error while reading
 7009 kHz, 04-06, 1305 UTC ALFA-45 67 265 ATARAKSIYa 4542 5645
 7009 kHz, 04-06, 1208 UTC ALFA-45 50 569 GYeKSYeN 8150 3519
 7009 kHz, 04-06, 1201 UTC ALFA-45 14 388 TyEKTONIKA 4473 1236
 7009 kHz, 04-06, 1151 UTC ALFA-45 24 536 SLIChATYeL' 7210 9104
 7009 kHz, 04-06, 1128 UTC ALFA-45 80 157 CYeRIN 4374 7089
 7009 kHz, 04-06, 1033 UTC DZhiGIT-46 PYeSOChNYJ-21 KURGAN-40 STAZhER-29 KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68
 7009 kHz, 04-06, 1017 UTC ALFA-45 39 064 SYeKKO 9874 7416 ORBYeNIN 9721 4190
 7009 kHz, 04-06, 0954 UTC ALFA-45 95 707 DRUZhBA 8524 0457
 7009 kHz, 04-06, 0926 UTC ALFA-45 68 545 KUTUZKA 4936 2605
 7009 kHz, 04-06, 0917 UTC ALFA-45 80 322 PARAFUKSIN 0165 4607
 7009 kHz, 04-06, 0900 UTC ALFA-45 82 062 NYePRUDA 0985 8187
 7009 kHz, 04-06, 0850 UTC Test count: 1 2 3 4 5 6 7 8 9 10
 7009 kHz, 04-06, 0845 UTC ALFA-45 95 707 GIDRORYeZHIM 2112 1484
 7009 kHz, 04-06, 0551 UTC ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27 LANDYSh-74 NYeVKA-26
 7009 kHz, 05-06, 1739 UTC SLIVA-94 STOROZh-62 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32
 7009 kHz, 05-06, 1723 UTC ALFA-45 81 353 DITOKS 2122 0586
 7009 kHz, 05-06, 1102 UTC LANDYSh-74 NYeVKA-26 DZhiGIT-46 PYeSOChNYJ-21 KURGAN-40
 7009 kHz, 06-06, 1047 UTC ALFA-45 98 271 POPIRANIYe 2679 7166
 7009 kHz, 06-06, 1035 UTC ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27 LANDYSh-74 NYeVKA-26

7009 kHz, 07-06, 1931 UTC ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27
7009 kHz, 07-06, 1601 UTC LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40 STAZhER-29 KARTA-11
OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34
7009 kHz, 07-06, 1243 UTC ALFA-45 10 096 KYuRIT 6789 9077
7009 kHz, 08-06, 1106 UTC ALFA-45 28 983 KUSHYeNIYe 7334 3680
7009 kHz, 08-06, 1050 UTC ALFA-45 18 563 LIMOPSIS 8794 5496
7009 kHz, 08-06, 1003 UTC ALFA-45 65 257 BODVA 7479 2605
7009 kHz, 08-06, 0542 UTC ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27 LANDYSh-74 NYeVKA-26



Squeaky Wheel channel marker

3828 kHz, 09-06, 1844 UTC LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40
7009 kHz, 09-06, 1704 UTC SLIVA-94 STOROZh-62 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32 ALEUT-09 UTYoS-94 KOVBOJ-39
YaHTA-94 PYeNZ-07 ZASLONKA-27
7009 kHz, 09-06, 1517 UTC ALFA-45 19 645 KATAPLYeIT 0759 7737
7009 kHz, 09-06, 1515 UTC ALFA-45 13 662 HUNGARA 0279 8839
3828 kHz, 10-06, 1209 UTC SLIVA-94 STAZhER-29 KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34
7009 kHz, 10-06, 1030 UTC YaHTA-94 PYeNZ-07 ZASLONKA-27 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32 STOROZh-62
LANDYSh-74 NYeVKA-26 DZhIGIT-46
7009 kHz, 11-06, 0827 UTC ALFA-45 39 239 GASTRANA 1491 7921
7009 kHz, 11-06, 0809 UTC ALFA-45 33 281 OFTAL'MIYa 3832 7768
7009 kHz, 11-06, 0500 UTC ALFA-45 64 015 POKOJ 9993 2184
7009 kHz, 18-06, 0905 UTC ALFA-45 40 139 KYeL'TSKIY 0805 0400
7009 kHz, 18-06, 0600 UTC ALFA-45 YeDINSTVO 55 58
3828 kHz, 17-06, 2258 UTC STAZhYeR-29 KURGAN-40 46 115 53 260 ESSYe 6558 1954
3828 kHz, 17-06, 2038 UTC STAZhYeR-29 KURGAN-40 56 206 07 860 FAL'ShIFKA 1303 1376
3828 kHz, 17-06, 2008 UTC STAZhYeR-29 KURGAN-40 62 102 74 082 DYeKAMYeTRIN 0559 7423
3828 kHz, 17-06, 1953 UTC STAZhYeR-29 KURGAN-40 56 939 50 139 KRYeShchYeNIYe 8541 5625
3828 kHz, 17-06, 1938 UTC STAZhYeR-29 KURGAN-40 20 515 59 042 SONURA 7806 1736
7009 kHz, 17-06, 1757 UTC STAZhYeR-29 KURGAN-40 58 089 29 126 DISPYeRSIYa 4642 9783
7009 kHz, 17-06, 1454 UTC ALFA-45 92 650 VYeRTOGRAD 7067 0655
7009 kHz, 17-06, 1101 UTC STAZhYeR-29 KURGAN-40 11 641 86 021 ZAShchITNYJ 6320 0872
7009 kHz, 16-06, 1634 UTC ALFA-45 PARAFUKSIN 00 16
7009 kHz, 16-06, 1002 UTC ALFA-45 31 164 ANALOJ 4247 6368
7009 kHz, 16-06, 0937 UTC ALFA-45 24 129 PODBORODOK 0014 0257
7009 kHz, 16-06, 0933 UTC ALFA-45 50 047 PRIVYKANIYe 4970 3191
7009 kHz, 13-06, 1350 UTC ALFA-45 05 567 LASOTA 8253 3871
7009 kHz, 12-06, 1253 UTC ALFA-45 93 010 KINAZ 6592 1311
7009 kHz, 17-06, 0601 UTC ALFA-45 ORBYeNIN 46 07 with PIP (S30) on background
7009 kHz, 17-06, 0653 UTC Test count: 1 2 3 4 5 6 7 8 9 10
7009 kHz, 10-06, 0530 UTC LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40 UTYoS-94 ALEUT-09 KOVBOJ-39
3828 kHz, 11-06, 1932 UTC KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34 KOVBOJ-39
7009 kHz, 11-06, 1209 UTC YaHTA-94 PYeNZ-07 ZASLONKA-27 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32 STOROZh-62
LANDYSh-74
3828 kHz, 12-06, 1831 UTC LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40 UTYoS-94 ALEUT-09
7009 kHz, 13-06, 1600 UTC YaHTA-94 PYeNZ-07 ZASLONKA-27 ROSA-64 RUZh'E-26 BIZON-64 KARTA-11 OTPOR-89 ShULER-60
DUBLYoR-68 FONTAN-34 KOVBOJ-39
7009 kHz, 13-06, 0854 UTC STUPA-32 STOROZh-62 LANDYSh-74 NYeVKA-26 DZhIGIT-46
3828 kHz, 17-06, 1832 UTC RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 DUBLYoR-68
7009 kHz, 17-06, 0926 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STUPA-32
3828 kHz, 18-06, 1831 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STUPA-32 STOROZh-62
7009 kHz, 18-06, 0554 UTC KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34 KOVBOJ-39 DZhIGIT-46 NYeVKA-26
7009 kHz, 20-06, 0545 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STUPA-32 STOROZh-62 NYeVKA-26
7009 kHz, 21-06, 1243 UTC ALFA-45 32 856 VYROZhDYeNIYe 2679 3589 with PIP (S30) on background
7009 kHz, 21-06, 1332 UTC STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39 DUBLYoR-68 with PIP (S30) on background

7009 kHz, 21-06, 1733 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 with PIP (S30) on background
3828 kHz, 21-06, 1820 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07
7009 kHz, 22-06, 0707 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 STUPA-32 with PIP (S30) on background
7009 kHz, 22-06, 1532 UTC	ALFA-45 54 519 VChYeRASHNIJ 7921 0594
7009 kHz, 22-06, 1722 UTC	ALFA-45 22 705 DUNST 9967 0946 with PIP (S30) on background
7009 kHz, 28-06, 1246 UTC	ALFA-45 81 268 KYuRIT 7362 6967 with PIP (S30) on background
7009 kHz, 25-06, 1213 UTC	ALFA-45 27 583 PORKA 8123 1904 with PIP (S30) on background
7009 kHz, 25-06, 1211 UTC	ALFA-45 53 663 ORYeADA 4645 4491 with PIP (S30) on background
7009 kHz, 25-06, 1205 UTC	ALFA-45 97 579 RAZGRAfKA 5136 4784 with PIP (S30) on background
7009 kHz, 25-06, 1153 UTC	ALFA-45 04 445 PRISTADA 1423 5468 with PIP (S30) on background
7009 kHz, 25-06, 1115 UTC	ALFA-45 65 645 KRIGLA 1771 7423 with PIP (S30) on background
7009 kHz, 25-06, 1110 UTC	ALFA-45 52 334 PAZUShNYJ 1218 3342 Pip (s30) is sending monolith signal on background
	ShULER-60 KOVBOJ-39 NYeVKA-26 STUPA-32 with PIP (S30) on background
7009 kHz, 24-06, 1442 UTC	ALFA-45 12 581 SYeKTYeT 1561 4432 with PIP (S30) on background
7009 kHz, 24-06, 1302 UTC	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27 with PIP (S30) on background
7009 kHz, 24-06, 0712 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
7009 kHz, 25-06, 1551 UTC	KURGAN-40 DUBLYoR-68 STUPA-32 STOROZh-62 NYeVKA-26 KARTA-11 SLIVA-94 KOVBOJ-39
7009 kHz, 25-06, 1325 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 with PIP (S30) on background
7009 kHz, 25-06, 1028 UTC	ALEUT-09 ZASLONKA-27 KARTA-11 OTPOR-89 FONTAN-34 STUPA-32 PYeSOChNYJ-21 DZhIGIT-46
7009 kHz, 25-06, 0711 UTC	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27
3828 kHz, 28-06, 2140 UTC	STOROZh-62 KARTA-11 KOVBOJ-39 with PIP (S30) on background
3828 kHz, 28-06, 1840 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07
7009 kHz, 29-06, 1057 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
3828 kHz, 30-06, 1840 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
7009 kHz, 30-06, 0835 UTC	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27



S5292

Frequencies: 5252 kHz USB

02-06, 0838 UTC	VOSHOD-30 36 252 UL'FIKA 2843 3932
02-06, 0800 UTC	FAZAN-37 25 415 AMBROZIYa 2131 3746
02-06, 0740 UTC	Test count: 1 2 3 4 5 6 7 8 9 0
08-06, 0914 UTC	FAZAN-37 83 838 ZAMYeTNYJ 3781 6538
18-06, 1258 UTC	FAZAN-37 02 191 URAGAN 3728 2837
23-06, 1940 UTC	Channel marker "B" on 5292.9 kHz
24-06, 0909 UTC	TRYeL'-31 64 820 OSNOVANIYe 6251 2649 counting before the signal
24-06, 0859 UTC	FAZAN-37 73 298 RYeShAYuShchIJ 2643 8634
30-06, 1948 UTC	Channel marker "B" on 5292.9 kHz



V02a

Dirección General de Inteligencia

7554 kHz, 11-06, 2004 UTC, LSB. V02a i.p. instead of M08a



V13 - New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

Frequencies: 7654, 7688, 8300, 9276, 9522, 9725, 10182, 10522, 11430, 13750, 15388 kHz

Partly unconfirmed new schedules. Please let us know if you hear the station.

15388 kHz	0200-0230 UTC	New Star 1	11430 kHz	0700-0730 UTC	New Star 4
15388 kHz	0300-0330 UTC	New Star 1	11430 kHz	0800-0830 UTC	New Star 4
15388 kHz	0400-0430 UTC	New Star 2	7502 kHz	1200-1230 UTC	New Star 4
11430 kHz	0500-0530 UTC	New Star 3	7502 kHz	1300-1330 UTC	New Star 4
11430 kHz	0600-0630 UTC	New Star 3			



VC01 - Chinese Robot

Chinese Air Defense

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 3749, 3837, 4075, 4140, 4165, 4175, 4180, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 4726.5, 5114, 5195, 5232, 5288, 5303, 5328, 5330, 5343, 5393, 5461, 5466, 5471, 5592, 5700, 5740, 5742, 5799, 5802, 5820, 5832, 5892, 6209, 6479, 6771, 6840, 6858, 6860, 6949, 6960, 7090, 7351, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8046, 8170, 8346, 8779, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

MORSE STATIONS



MX

Russian Military beacons

Current cluster frequencies:

3594, 4558, 5154, 7039/7508, 8495, 10872, 13528, 16332, 20048 kHz

Other frequencies:

L 6917.5, 8497.8 kHz

V 3658, 4150, 6809, 6928, 7027.5 kHz

R 5466 kHz

W, R, N, G, C, K, Z, L, V, Ü 5620, 5835, 8029, 8112, 8162, 8895 kHz (Tu-Bear net)

Cluster beacon slots:

.7 "D", Sevastopol

.8 "P", Kaliningrad

.9 "S", Severomorsk

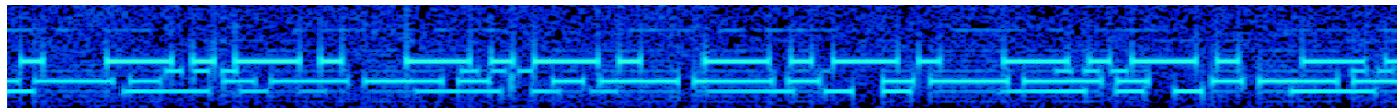
.0 "C", Moscow

.1 "A", Astrakhan

.2 "F", Vladivostok

.3 "K", Petropavlovsk Kamchatskiy

.4 "M", Magadan



Spectrogram of beacons D, P, S, C, F, K and M in the 16332 kHz cluster on 07-09 at 0629 UTC.



M01

6780 kHz, 07-06, 0700 UTC

025 325 325 30 30 = =

14329 14329 06514 06514 15535 15535 99209 99209 61582 61582
 58297 58297 81651 81651 79299 79299 41100 41100 83126 93126
 49171 49171 05512 05512 64435 64435 50706 50706 89617 89617
 31677 31677 97741 97741 47700 47700 77233 77233 71087 71087
 24775 24775 99552 99552 69201 69201 2572 5774 97063 97063
 08457 08457 36937 36937 72063 72063 58274 58274 27064 27064
 = 325 325 30 30 000



M03

15632 kHz, 14-06, 1420 UTC

874/33 = =

01586 01586 71395 71395 87496 87496 74730 74730 99801 99801
 26316 26316 30708 30708 10289 10289 44527 44527 81683 81683
 76717 76717 84803 84803 38974 38974 35601 35601 77061 77061
 25621 25621 88328 88328 73996 73996 77855 77855 19545 19545
 26671 26671 52309 52309 62851 62851 60634 60634 94724 94724
 85004 85004 83058 83058 60015 60015 34015 34015 74656 74656
 16918 16918 14820 14820 80596 80596

= = 874/33 874/33 874/33 874/33 874/33 = =

01586 71395 87496 74730 99801 26316 30708 10289 44527 81683
 76717 84803 38974 35601 77061 25621 88328 73996 77855 19545
 26671 52309 62851 60634 94724 85004 83058 60015 34015 74656
 16918 14820 80596

= = 0 0 0

7720 kHz, 22-06, 1320 UTC

542/35 = =

44137 44137 21423 21423 45889 45889 93998 93998 74172 74172
 03968 03968 71261 71261 48959 48959 17019 17019 31504 31504
 65472 65472 35012 35012 83767 83767 82614 82614 30080 30080
 73866 73866 69520 69520 39538 39538 85785 85785 23825 23835
 36161 36161 75614 75614 32082 32082 64573 64573 36451 36451
 15652 15652 79045 79045 85189 85189 79186 79186 20008 20008
 97280 97280 93006 93006 97659 97659 06339 06339 78993 78993

= = 542/35 542/35 542/35 542/35 542/35 = =

44137 21423 45889 93998 74172 03968 71261 48959 17019 31504
 65472 35012 83767 82614 30080 73866 69520 39538 85785 23825
 36161 75614 32082 64573 36451 15652 79045 85189 79186 20008
 97280 93006 97659 06339 78993

= = 0 0 0

7837 kHz, 25-06/28-06, 1320 UTC

437/30 = =

06917 06917 28938 28938 48880 48880 03085 03085 18693 18693
57960 57960 36395 36395 80887 80887 03191 03191 84463 84463
85004 85004 08173 08173 66857 66857 12271 12271 51226 51226
68192 68192 56314 56314 84911 84911 59110 59110 21111 21111
64620 64620 76335 76335 10518 10518 11730 11730 21842 21842
99519 99519 86513 86513 05286 05286 80913 80913 55942 55942
= = 437/30 437/30 437/30 437/30 437/30 = =
06917 28938 48880 03085 18693 57960 36395 80887 03191 84463
85004 08173 66857 12271 51226 68192 56314 84911 59110 21111
64620 76335 10518 11730 21842 99519 86513 05286 80913 55942
= = 0 0 0



M12

8047 kHz, 03-06, 1900 UTC

463 463 463 1 5815 131

17701 95644 53382 29135 10992 40489 05020 58665 90240 55424
72691 15263 57172 09793 71423 89676 77032 27742 61680 54796
17414 12416 51296 40435 72248 14145 67668 93525 42408 50128
81803 23134 89767 34868 73535 67376 87502 91901 60496 08745
40476 93743 67475 22492 15829 00917 37585 94076 84187 66010
56357 80349 65764 24155 26884 70696 20496 86544 51243 62398
28767 74015 27247 48719 67259 59157 58516 13887 18154 51320
75654 61559 88905 25372 79565 87507 06391 75540 84043 64782
25391 25260 83154 27707 36145 27138 42037 27025 08651 87655
68757 15098 74061 77367 45291 44705 76699 22962 48073 16713
25364 10607 95058 46700 33382 40593 03767 44931 63676 37307
74195 17666 51485 22793 72696 03712 36759 79571 28196 02907
63505 53610 66278 56207 97020 63163 93958 05541 81091 29665
31092
000 000

13386 kHz, 04-06, 1500 UTC

725 725 725 1231 120 1231 120

38480 79695 08410 94821 80840 49891 56505 78262 18496 39313
49578 27823 06655 81469 00414 61059 00358 86364 54384 11756
84041 98645 29483 51601 87074 20415 37327 52500 35684 49834
30170 22377 14481 15725 88426 22224 72849 95771 70816 26855
36591 90685 63629 41770 16872 68182 68758 57454 82010 11701
51752 36721 46557 06531 05016 05711 93151 88900 26420 59866
11918 01432 78060 77877 26243 90750 60192 09390 05590 29352
44943 40025 11002 56404 77913 45661 47376 70234 34563 41321
75280 64587 28937 03868 59718 73340 49153 79749 22387 92790
61484 00166 04758 44599 85410 80270 40441 31648 41735 74595
33742 19093 19352 98644 08732 10911 77621 95396 65538 95082
92101 56968 20699 43002 16912 54076 93026 20339 01930 13341
000 000

11435 kHz, 03-06, 1930 UTC

938 938 938 1 2679 56
72135 28179 02398 52995 17968 47218 40848 37545 88806 90597
03129 98633 80090 95183 10919 13139 50088 96890 26798 10459
96892 07638 04593 50464 15665 07279 87302 92035 08278 27598
48262 51457 24985 52285 20334 10604 31724 43410 29554 83038
02640 77945 48788 71929 79142 24754 76993 45512 88987 11061
29893 25094 07467 60647 35954 49641
000 000

12189/11491 kHz, 04-06, 1720/1740 UTC

725 725 725 1 8158 112 8158 112
70643 07545 68706 60419 30019 45618 75775 67363 93497 30488
62181 08920 93957 02968 67472 34548 27656 22499 45217 96937
67483 63922 17687 43701 75008 07116 05017 52591 79175 33276
01411 28401 94701 13565 50460 44216 07447 49133 73067 88470
53763 37667 37694 79716 01975 85569 78743 88911 63120 07790
36199 84841 86663 76600 60740 23524 45271 67633 39571 87753
73319 26380 09379 30509 39977 32199 92566 77421 95899 01998
96220 30943 93186 16075 02445 26053 87748 34972 37114 12871
39742 20580 62821 90556 33560 61803 24917 62214 29656 93738
56896 64869 32324 11552 37286 42604 17500 08234 47308 30921
43609 53613 87438 43958 15810 74113 13929 64212 40480 67495
46834 82074
000 000

13873/13373/11473 kHz, 18-06, 1310/1330/1350 UTC

845 834 834 1 2268 181 2268 181
23497 98805 92671 14310 95589 89576 39172 75942 10799 11656
96152 44425 01896 53740 28971 93423 14809 76978 00170 86097
97787 37309 45144 98187 42667 47834 67446 30509 78758 11449
87653 58474 80983 79219 22026 01182 57948 15542 56627 78829
44884 50038 33870 43187 17977 87228 18766 34280 59516 69973
36574 98553 17528 78336 16381 62521 65119 17221 56577 86890
13617 90325 87534 72728 17432 04113 80079 68517 78608 12245
38243 16386 30346 41817 26310 31793 74825 31673 26049 68569
84317 42340 46395 08793 79499 51617 09341 78024 80032 41504
46279 42532 04416 77151 59233 82354 65408 87472 39718 01785
11850 37353 98151 41206 57505 87149 74436 25159 14366 26313
32666 02099 45166 09537 50627 02036 29184 98091 81571 85408
60534 39760 80960 88486 88183 43525 19855 83210 21365 62178
46560 76351 82139 36508 25885 58318 24175 60433 39984 53627
16910 95050 73236 07103 00564 69906 58332 11207 57518 48311
93690 37307 99295 80175 08667 28697 87132 56647 53387 74814
12581 94796 62822 00915 96443 22842 25050 46689 42724 65568
23538 72849 01506 60896 21194 56739 12710 46467 29749 39142
09287
000 000



13386/12189/11491 kHz, 18-06, 1500/1520/1540 UTC

725 725 725 1 9943 117 9943 117
17830 23469 14028 51750 50047 76528 35079 19103 21840 02191
51752 97790 33716 41951 73400 31999 00764 89960 88228 54375
02793 32026 60609 99768 63929 02133 99965 81751 73610 79388
07233 49828 84927 50680 80400 30473 51870 27103 58381 20601
17797 53836 00452 82437 16288 67949 55544 57148 18654 22408
11354 43669 04245 64386 11688 58802 55246 74462 32772 27958
09168 07220 02193 97118 49242 70334 68755 95652 60182 52906
73616 98353 57623 18237 48478 18967 21470 84533 61208 82787
42402 23230 85607 37968 14305 59673 82232 65337 58806 76159
64049 77409 92977 51062 44571 27775 48307 34614 38726 06209
18969 06833 93801 02342 71957 09435 41522 36154 80864 96701
87786 22330 62601 53223 33629 53351 45072
000 000

13386/12189/11491 kHz, 18-06, 1700/1720/1740 UTC

725 725 725 1 3938 119 3938 119
39466 51432 36029 39791 41184 13668 15670 76187 56664 36106
26376 29978 85418 09981 33867 39755 35022 19258 55554 68081
20133 71070 76194 58575 39058 01353 68388 02330 16737 25394
14674 51373 84050 72010 00473 42019 85761 97951 64347 83146
02978 39385 21549 08200 28924 30185 46403 12486 31961 55538
15684 10496 57355 26198 82800 29433 57970 85667 12506 45814
71669 91786 01536 89382 72887 18744 46565 72943 60720 28565
71121 55776 80997 87642 90824 46125 05617 30352 19795 22181
97848 86808 59148 17970 53723 11554 37647 27470 00647 52803
07743 90433 66947 33818 90234 76273 32935 75696 92256 60963
23441 97242 20135 74415 96766 58587 58520 47352 21166 20079
20362 99185 79694 20549 83770 78153 40223 51323 12569
000 000

9282/10982/12182 kHz, 20-06, 0500/0520/0540 UTC

291 291 291 1 2981 199 2981 199
99967 59648 38782 87720 48860 34688 15250 07919 07492 28871
14013 01026 49890 79481 90898 96577 37564 59878 94854 94915
29274 93837 65717 07992 09438 67289 31548 89797 48111 73404
39990 10602 27704 51099 47760 09397 30433 56188 85269 42509
46763 78920 06095 37150 01025 31579 70185 86010 40130 93928
25864 54537 11404 12327 53083 19301 54085 40210 40001 91780
44161 92133 95683 43827 86804 17916 32982 12892 87551 26580
15295 65820 46054 07816 31223 10505 38631 12622 57888 99737
01229 50258 62946 22367 44389 54473 07012 46150 57048 82589
65330 34753 87712 93924 10131 49761 78851 42455 17580 34825
68237 42400 85031 95433 59155 13661 00714 99171 11274 49192
04749 66299 82995 27369 17924 21082 72237 82470 85524 78331
25834 33502 09540 48511 57096 40131 27486 49773 64329 56901
01659 68451 41025 93151 64690 86945 80004 27616 43435 95757
16956 68190 48497 61909 72814 03267 36057 18224 44767 01357
08173 91171 91101 69031 46087 67268 39812 96433 92484 42585
50834 89956 66862 30709 03341 67327 74504 06827 43794 04267
65960 93108 00367 40633 40727 51070 94557 73598 09147 49717
71554 51712 42421 98788 99294 75432 54641 08244 43786 83943
15077 20512 34068 87843 95980 58828 36601 53295 15378
000 000

12205 kHz, 22-06, 1100 UTC

973 973 973 1 9514 112
02074 92649 85850 89503 70491 83347 55490 17380 83248
97110 18079 51924 32715 87268 53296 41423 14913 84502
82721 77713 26508 51675 70405 17115 34457 14395 80597
85241 83911 60722 81825 97988 77201 02215 14596 94817
60965 28290 22086 20433 30113 10520 02998 65504 87854
38124 92223 35175 75166 19862 13137 06937 44068 19076
05188 80483 44995 38778 61133 30703 18454 79859 51905
78809 51663 88233 16370 11891 04792 10421 96767 80183
83722 67403 79854 20830 55532 46585 91113 99630 48675
60691 56085 90656 65559 10632 17586 65404 99693 72483
64759 19870 81085 80244 91772 75088 12309 63752 13833
84210 94556 82591 35614 17740 95677 20612 07571 25162
69251 78401 81138 24398
000 000

10598/9327 kHz, 22-06, 1720/1740 UTC

938 938 938 1 3849 117 3849 117
13404 17862 60781 51397 49895 28937 60405 94597 91806 30437
54886 52081 88040 98386 58608 37695 03187 43398 61874 54104
93382 00314 70583 33863 05813 22724 11783 63537 36105 97085
65754 64202 86220 01904 99043 93547 65310 16081 54377 05853
33863 22545 61388 76203 15634 99395 59376 97832 82444 72398
40622 79506 61422 63764 73830 95803 82795 94079 87245 15990
08019 21133 06701 97075 29640 49949 34647 38470 22311 44704
83390 69273 35543 38570 92720 89539 15278 44681 63426 48393
15940 70827 38371 54087 00333 08829 97748 35317 08357 10606
08484 22386 08949 69399 59427 38670 95048 69203 77074 58314
31036 69898 51774 68553 81323 41064 48068 94931 87694 47808
33576 44415 52495 56751 02585 01350 80926
000 000

13373/11473 kHz, 27-06, 1330/1350 UTC

834 834 834 1 3844 201 3844 201
08796 35757 29135 37629 64933 49410 57975 46829 72643 60145
91008 22713 79709 43451 38217 29942 38844 51493 51622 24250
82528 70900 73480 36784 72090 40249 73246 04172 70729 71518
21948 43806 64811 33313 60754 77768 84398 60857 49790 71317
30561 75214 80903 38183 94545 63337 23830 04166 15402 17480
30181 64333 84497 10561 29148 25631 43127 14523 12538 85997
17266 77859 73750 25927 71150 35513 53532 95880 84376 07721
44517 01225 13630 11088 92440 30373 53881 41983 14047 92258
34147 83137 15008 27569 01874 26752 55902 42740 51370 08269
12625 79587 25464 65486 75432 56859 43943 33545 02413 74887
02949 66503 71665 78344 88979 67533 27703 39898 22126 92516
75776 28967 62906 46933 87221 33334 93866 83072 82567 82456
38676 99004 87218 58782 12285 88238 83597 30535 71598 99859
58168 66075 51961 29523 63935 21827 73688 23423 95683 83746
81773 41466 98637 04562 67011 23047 55978 43390 57318 57323
41435 76630 74657 80313 00741 48824 57480 31166 29447 54330
56530 48655 11049 41566 22777 96406 83227 21129 02508 64097
05425 72129 59634 12225 25736 79870 04626 92438 95591 03471
53707 61898 51093 97815 42951 98494 14722 35222 35015 37698
50457 21197 21503 74660 15766 45669 61659 95401 93299 36149
88453
000 000

A very unusual M12 transmission was copied by Danix and AlphaVax. No repeats were found.

9165 kHz, 23-06, 1305 UTC

186 186 186 1 (R2m) 3374 42 3374 42

stop

186 186 186 1 (R1m)

46735 90822 54168 _2955 16930 53692 631_5 83678 26427 61056

13881 76329 54805 23609 45172 51664 33021 35237 20372 77465

34951 51056 69685 23692 60237 41445 77901 93405 14771 23619

31448 22677 37608 80576 99541 23525 06241 63528 67732 48782

17850 46036

000 000



M14 / M14a

8116 kHz, 03-06, 0603 UTC, M14a i.p.

41227 69188 69188 40133 30376 83207 00711 06150 = =

468 468 23 23

910 (R) 275 275 36 36 = =

19903 82666 09848 74715 79535 09364 28885 12018 48382 24275

51013 32680 62658 54589 18499 54657 20195 05019 06927 91005

36931 83498 72458 79922 65848 39880 64029 39508 39508 22295

23935 64409 22045 80885 25221 14587 = =

275 275 36 36 00000

5825 kHz, 01-06/08-06/15-06, 0000 UTC

5241 kHz, 07-06/14-06, 2300 UTC

376 524 524 020 020

93295 93295 26704 26704 14838 14838 56438 56438 79563 79563

29243 29243 87680 87680 83817 83817 96096 96096 29313 29313

36191 36191 62701 62701 76747 76747 74420 74420 15841 15841

41958 41958 10736 10736 14238 14238 26365 26365 23051 23051

524 524 020 020 00000

5240 kHz, 21-06, 2300 UTC

5825 kHz, 22-06/29-06, 0000 UTC

376 524 524 020 020

93295 93295 26704 26704 14838 14838 56438 56438 79563 79563

29243 29243 88610 88610 83817 83817 86096 86096 29413 29413

36191 36191 62701 62701 76747 76747 74420 74420 15841 15841

41958 41958 10736 10736 14238 14238 26365 26365 23051 23051

524 524 020 020 00000

5938 kHz, 24-06, 1918 UTC

417 592 020

27856 43321 93276 50908 41178 51086 92745 01655 81653 03865

81815 92341 67345 98219 58216 60221 92770 29845 10456 72878

592 020 00000



M21 + variants

Russian Air Defence Forces

Во́йска ПВО Во́йска ПВО

11035 kHz, 18-06, 0430 UTC, i.p.

970 19700 4920882 29
 970 24920543 29
 965 14778951 29
 965 04777322 29
 965 14778995 30
 965 0477836930
 970 0492089 70 24920537 EEEEE35 30
 960 03121646 30



M89

Chinese military

Stations and strings:

V A7TR A7TR A7TR DE DI9Q DI9Q
 V 5RAB 5RAB 5RAB DE M9AB M9AB
 V 7NPE 7NPE 7NPE DE QV5B QV5B
 V 6TRW 6TRW 6TRW DE J9NS J9NS
 V 7NPE 7NPE 7NPE DE QV5R QV5R (faulty txm)
 V 8CPZ 8CPZ 8CPZ DE XW6W XW6W
 V 8DKB 8DKB 8DKB DE ODY8 ODY8
 V 8PEX 8PEX 8PEX DE TI5F TI5F
 V BNGC BNGC BNGC DE XSV85 XSV85
 V BIQ9 BIQ9 BIQ9 DE ISL2 ISL2
 V BRH0 BRH0 BRH0 DE 8NGG 8NGG
 V B9SR B9SR B9SR DE AL6R AL6R
 V CQ CQ CQ DE DP91 DP91
 V CQ CQ CQ DE DP0491 DP4091
 V DKG6 DKG6 DKG6 DE 3A7D 3A7D
 V DKSL DKSL DKSL DE ALSK ALSK
 V DKIL DKIL DKIL DE ALSK ALSK (faulty txm)
 V DP9J DP9J DP9J DE CQ CQ
 V EI0B EI0B EI0B DE JHG2 JHG2
 V GKLO GKLO GKLO DE TYUI TYUI
 V GKN7 GKN7 HKN7 DE F3J5 F3J5
 V H2FL H2FL H2FL DE DRV8 DRV8
 V JKD JKD JKD DE SLBC SLBC
 V M8JF M8JF M8JF DE RIS9 RIS9
 V MW3D MW3D MW3D DE 2SLC 2SLC
 V N4FM5 N4FM5 N4FM5 DE NAT491 NAT491

V PGG9 PGG9 PGG9 DE MI6Y MI6Y
 V RA5J RA5J RA5J DE BP2S BP2S
 V RXP7 RXP7 RXP7 DE CZT2 CZT2
 V S2LZ S2LZ S2LZ DE YBA6YBA6
 V SR3H SR3H SR3H DE FGH8 FGH8
 V SXL6 SXL6 SXL6 DE 9QFZ 9QFZ
 V TKLO TKLO THLO DE TYUI TYUI
 V TY9D TY9D TY9D DE EOX2 EPX2
 V VTX7 VTX7 VTX7 DE TZ7B TZ7B
 V VXL1 VXL1 VXL1 DE XIW2 XIW2
 V WZG6 WZG6 WZG6 DE 4VTG 4VTG
 V YUQW YUQW YUOQ DE ASDF ASDF
 V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0
 V N4FM5 N4FM5 N4FM5 DE DUT491 DUT491
 V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP
 V QHV8 QHV8 QHV8 DE 8QPP 8QPP
 VVV Q2M Q2M Q2M DE NYZ NYZ
 V DKSL DKSL DKSL DE ALSK ALSK
 V 3A3J 3A3J 3A3J DE B4ZJ B4ZJ
 V HER6 HER6 HER6 DE WU6L WU6L
 V BR3S BR3S BR3S DE JU9D JU9D
 V DGG6 DGG6 DGG6 DE 3A7D 3A7D (faulty ?)
 V TY9D TY9D TY9D DE EPX2 EPX2
 VVV VVV VVV 4GN 4GN 4GN DE DE QJ7 QJ7

KDJY DE BEKJ
 K1AS
 NW7Y DE V9CX
 DE U4MB
 X8IF DE V9CX
 DE S4TM
 W7BK DE V9CX
 L4O. DE V9CX
 2NDD DE V9CX
 B8ZJ DE V9CX
 K9EY DE V9CX
 L4OI DE V9CX
 DE VFSK
 SWPT SWPT SWPT DE XQJD XQJD
 DE HKT4 HKT4

Messages:

3330 kHz, 01-06, 1236 UTC

VVV VVV F GA CQ 63 RMKS ...TO 06.. 302....
AR =
3578 6/0603/2200C/217./.... AR
AR MSG NR 001 CK ... (Cont'd)
AR

5578 kHz, 01-06, 1636 UTC

R HR F GA K
FF NR 9206/EX 00.. = RWKS 80.0 TO .4..7 K
R =
A.W./A3NT AR =
A2WE/A3NT AR =
A2WE/AEIEEE =
A2WE/A3NT AR K
R HR 7G GA K
R MSG NR 9207 CK 300 67 0602 0030 RMKS 89.1 TO .48. K
R MSG 3P = = =
SE7U3.. UT AU7U N73D D3? D.3T AGE7. (Cont'd)

3330 kHz, 07-06, 1240 UTC, very weak

/24.1/1.0./..7. 6 AR
VVV CQ 63 RMKS ..D 635.. TO ..
3 102/245./2.7/... AR K
CQ6.0../.10..2.NA/3006 =
/1.....634/.1..L/147//2/30.5AR

7788 kHz, 07-06, 0406 UTC

1833 =
UAA3 A3UT TTTT 3N36 373D 35N6 DDAT 5N76 TD3T TN66 (Cont'd)
III = = 644T A5A6 A4D6 (Cont'd)
III = = N463 UT53 45NU A3D3 T34A 7NN3 66TA 63N3 56N4 D3TN D565
(Cont'd)

5631 kHz, 16-06, 1544 UTC

R R RPT 05W K
R RPT 09W K
R RPT 23W K
R RPT 44W K
R RPT 60W K
R RPT 71W K
R RPT 72W K
R RPT 65 RPT EEE RPT 64W K
R RPT 94W K
R AS
QSL RRR QSL EEEEE
R QSL 2346 K
AS
R QSL 2347 HR WK NR 01 K
R OK
R OK

5641 kHz, 16-06, 1539 UTC

C6QM/D7WR AR K
OK OK HR 7G GA CY
7G NR NR 8456 CK 300 22 0616 2330 RMKS 7349 TO 7228 K K
RR BT NR NR 8 NR 8456 CK 300 22 0616 2330 RMKS 7349 TO 7228 K
R R 1W GA = =
34A7 3NT5 26DB3 K7NA 3ATU TUUN A4T4 43N3 57.. 46D5 (Cont'd)

5641 kHz, 17-06, 1921 UTC

3T65 UN66 7DN3 7UN4 6537 7664 (Cont'd)
5
VV 44444
5TUT U765 T735 6633 7474 U5T7 7D47 TT73 4AUD TU3D (Cont'd)

4444 kHz, 08-06, 1851 UTC

YPZ SL 251 K EEEEE
KR3V KR3V DE PVYL PVYL QSL 2
KR3V DE PVYL QSL 0252
R R (Other stations also on this frequency)
VV 7D4E DE VP4M K
R AS
VV 2UB8 DE VP4M K
R3VK DE PR8Q W RO Q QSL 0250 K
R AS
HR 7G EEEEE
HR CQ MSG GA HR CQ MSG GA PSE CY CY
MSG NR 1289 CK 71 24 0609 0230 RMKS CQ
MSG NR 1289 CK 71 24 0609 0230 RMKS CQ =
4TN7 AU63 5D63 AN7T DU45 67D3 4NTA 5U34 TDAU 567N (Cont'd)
AR (1901z)
VV 3CB2 DE VP4M K
R AS
VV DLJ3 DE VP4M K
KR3V DE PVYL QSL 0306 EEEEE
KR3V DE T EEEEE
KR3V DE PVYL Z EEEEE
KR3V DE PVYL QSL 0306 K
RR
VV 7D4E DE VP4M K
RR 25W = = EEEEE RPT 25W = NT3A AR K
R AS
VV 2UB8 DE VP4T EEEEE
VV 2UB8 DE VP4M K
R KR3V DE PR.Q QSL 0308 K
R AS
AS
VV LKY5 DE CT5T HR WK NR 1015 WK NR 101 CY GN EEEEE
CY GDSK SK

5500 kHz, 08-06, 1417 UTC

VES99 VES9 VES9 DE CSN0 CSA CSX CSX QSA ? K K
EEEE R NSAS AS AS
VVV CVCVWE X..E QSA FM FM FM FM
E VVV BDRA AR (1418z)
EEEE VVV BDR. QSA .. QSA ? K K
R QK ROA RMKS OK OK OK OK AS
E AS 5 VVV 2K EEEEE
VV 2QGK R R OK AS
VV JEL. K K
R R OK AS
VV KU EEEEE
VV KF9G R K
R OK AS
VV BFEB K
R R M AOK A AS AS AS
VV FVWE K
R OK AS
VV KS.T EEEEE
VV KSR3 K
R OK AS EEEEE R OK AS
VV 2FG6 K
R OK AS
VV BDR5 K
R OK AS
VV SJRT EEEEE
SJRT 8
R VV SJRT EEEEE SJE8 K
R OK AS
VV AJ.3 K
R MN EEEEE R OK AS
VV ..K EEEEE 7 EEEEE ?
R R OK AS AS
VV VES9 SK SK SK GB GB

10180 kHz, 18-06, 1147 UTC

QRW 4210 QRW L19 =
SVC ZRW 4210 QRW L1841902100 COMM 3620 AR
0/XZ085 56EEEE =
COMM/2030/XZ085/59/4218/4435 AR AGN
NR 075200 RMKS 4210 TO 4435/4440 = COMM/2030/XZ085/59/4218/4435
AR QSL ? HR WK NR 230

5165 kHz, 19-06, 1527 UTC

7N56 AAD3 .T36 4UN4 UTD4 (Cont'd)
AR
R SK GB SK GB
R R DE
R MSG NR 150 CK 121 16 0619 2200 RMKS 881. TO ...4 K
N... T4TT TA....

5442 kHz, 19-06, 1405 UTC

3W6500 = =
445U 36TTTT6TTTT.363U4TUTDTNA AR K
VVV H6AC K
VA
R R = =
IU4NDUAA4TU6TTTTDAT7TU.DUT4T7 AR
DE M.. 6WUT4

5631 kHz, 19-06, 1414 UTC

GA HR MSG GA
HR MSG GA NR NR 9.44 CK 300 .2 0619 2200 RMKS KQK
HR MSG GA 1P GA GA = =
7TN6 4T35 37N7 3D63 D7NN .U5N .UNU T4NU 3U75 A53D (Cont'd)

8073 kHz, 19-06, 1213 UTC

= U = 7773 N773 T3T
773 357 367 4AA C3 447 474 43N ? 3D5 4DT 4D5
773 T3U
773 T33
773 357 367 4AA C34364 7443D3D4 DT4 D53 UDTUA
773 357 373 4T7 C3445 474 43D 3DU 335 N3D 463 C3446 474 43D 3D3 .DT
4D5 TUU
773 357 367 4T4 C3447 474 43N 3D4 4DT 4D4 E? 4D5 3UD TUA (1215z)
773 573 734 T7 C3445 474 F ? 43D 3DU 334 N3D 4T3 C3446 474 42D 3D3
4DT 4D5 TUU
773 3.7 ? 367 4T4 C3447 473 ? 474 43N 3D4 4DT 4D4 TU3
773 TU4
773 73734T7C3445 474 43D 3DU 235 .3D 4T7 C3446 474 43D ? 3D3 4DT 4D5
TU5
773 353 37U 4TD C3 434 ? 4DT TU4.. D6 TU.? TU.IIII BT 354 367 4T7 C3 A? 4.6
46D 3D4 3.3 5N3 D4T 7C3353 46N 3D5 4DT 4D5 TU7
773 XN.... (Cont'd)
AR
HR MSG GA
NR NR 028 3 IIIII
NR 0482 CK 5235 ..19 14
NR 0482 CK 2A4 0619 164. = =
TTD N5UTANN5. TT6 N54 7NT TTD 746 4AA
77T DN3 D6N 4AA 77T NAU TU (Cont'd)

5641 kHz, 22-06, 1555 UTC

3AT5 4DU7 3U6T 3AD6 4UN5 T36D 4TU5 (Cont'd) K
AS PT I RPT R RPT
H OK
S OK OK

5641 kHz, 22-06, 1835 UTC

VV NW7Y DE V9CX K
R DE U4MB K
R QSA ? K
R QSA 2 K
R
VVV X8IF DE V9CX K
R DE S4TM K
R QSA ? K
QSA 2 K
R
VV W7BK DE V9CX K
R DE XSNEEEEE
R DE X5BX K
R QSA ? K
R QSA 1 K
R
VV L4O. DE V9CX K
VV 2NDD DE V9CX K
R DE KGE. K
R QSA ? K
R QSA 2 K
R
VV B8ZJ DE V9CX K
VV K9EY DE V9CX K
VV L4OI DE V9CX K
VV B8ZJ K
05 05
HR F GA GA K
FF NR NR 9829/EX 0241 RMKS CQ K
GA GA K
R
BT O3XY/H =
O3XY/B5RO C =
O3XY/B5RO AR =
O3XY/B5RO AR K
R QSL 0242 K
R
HR MSG GA K
R GA GA K
R MSG GA NR NR 9830 CK .00 22 0623 0230 RMKS CQ K
GA GA K
R MSG 1P =
UDA5 46NT DU75 34AT D4TD NTUU UA3D D747 NU33 TDT5
TD4A T4D6 (Cont'd)
III III 2P BT
UAE5 7TDT 33DN (Cont'd)
AR
QSL ? K
R QSL QSL 0259 K
R QSL .. 0259 K
R VVV 2TSK
R QSL ? K
R QSL 0300 K
R VV B8ZJ K
R QSL ? K
R ... (Too weak to copy)
R SK SK GB GB GB

8073 kHz, 22-06, 1815 UTC

DE VFSK VFSK RPT 4K
VFSK R 743 K
SWPT SWPT SWPT DE XQJD XQJD OK QTA 743 K

5801 kHz, 23-06, 1204 UTC

5D3 ATT547A5333ATA35T3AU = =
5D3 ATT646A5443AT.ATT3AA =
ATTTA43D. 4 =
ATTT 345A5UUA4..
ATTU45A5A4A4 =
ATTT446A56UA4 =
ATT546.5DA4 =
ATTT546.537A4 =
ATTA43.DNA5NA =
ATT345A5A4A5 =
ATTU.A5ANA5 =
ATTT446A.N7A5 = (Cont'd)

8061 kHz, 24-06, 0930 UTC

DE HKT4 HKT4 K
R QSA 2 K
R IEC = 3652 AR K
R HR NR 107 K
R GA K
R R QSL 1732 K
R R FF NR 324/EX 1733 RMKS 6243 TO 0520 =
MFNL3/LNFM4 AR K
R GA K. R GA K
R RPT 20W K
R RPT 021 TO 27 K
R RPT 21 TO 27 K
R RPT 45W K
R RPT 18W K
R AGN K
R RPT 41W K
R RPT 95W K
R RPT 101W K
R AGN K
R QSL 1745 K
R R AGN K. R AGN K
R R 7G NR 324 CK 99 54 0624 1745 RMKS 6243 TO 0520 K
R AGN K
R R 7G NR 324 CK 110 54 0624 1745 RMKS 6243 TO 0520 K (Note different group count) K K
R 7G NR 324 CK 99 54 0624 1745 RMKS 6243 TO 0520 K
R = = N3T5 3N56 D6U4 3U57 DA3U D3TU T7D6 T65A TA6N TTUA DN7U
(Cont'd)
AR
R AGN K. R AGN K
R SK GB

5801 kHz, 23-06, 1152 UTC. The "05" station is always a bit odd. Different from the majority of the stations in this net. This time it sent Air Defense Tracking messages.

05 05 05 = = 05 05 05 = =
= = 45D3A.3UTA4UA7446TT.3TD =
5D3ATTA 3UTA4UA7346.. = =
..3..3A 44A55NT.5T3AT = =
5D3.33ATA44A55NTA5T3AA = =
5D3AM43ATA.7A53UTATA3AA= =
5D3ATT53.A47A5.335.AU = =
5D3ATT63AT.4.A544ATT3AU = =

3721 kHz, 25-06, 1501 UTC

OBS GET GET = GET GET
OBS .. OBS .. KOBS = OBS X OBS X
OK
OBS .. K OBST8T ES1W =
46NT4DTUTU3T6TT 635U4 DT? 7D6U7TTUA5 ATUT7T.UNNN5 NEU4U.W
R U W OB. W OBSTOEU = .W =
4D? 46? 4 OBS. ...
6. 3E TD EEEEE 4EEEE ...

8073 kHz, 26-06, 1148 UTC

773 356 4ad NN3 444 3DU 4DT 4D6 TUT
773 356 4AD NN3 446 3D3 4DT 4D6 TUA
773 TUU
773 356 4AA NN3 435 466 3D3 4DT 4D6 TU3
773 356 4AD NN3 435 466 3D3 4DT 4D6 TU4
773 TU5
773 TU6
773 356 4AA NN3 445 3DT TUA 4DT4D.TU7
773 T3T N3? N34 T33
773 353 37U 4AA NN3 445 3DT TTU 4DT 4D6 TUN
773 353 37U 4AA NN3 435 466 3D3 4DT 4D6 3UD TUT III =
773 356 4AD NN3 435 466 3D3 4DT 4D6 TUN
773 353 37U 4AA NN3 435 4D6 3D3 4DT 4D6 476 3UN TUT
773 356 4AD NN3 446 3D3 4DT 4D6 T..
773 TUU
773 356 4AT NN3 435 466 3D3 4DT 4D6 TUN
773 353 37U 4AA NN3 435 466 3D3 4DT 4D6 476 AR
(Switched to voice at 1154 UTC. Probably XSV85)

8061 kHz, 24-06, 0918 UTC

N GA K. GA
R RPT 10W K. R RPT 10W K
R RPT 6W K
R AGN K
R R QSL 1727 K
R SK GB



UM01 ***Unid CQ station***

3580 kHz. Location: Siberia

02-06, 2055 UTC: CQ P 19
03-06, 0147 UTC: CQ P 16
03-06, 0549 UTC: CQ P 20
03-06, 0640 UTC: CQ P 21
03-06, various times after 0640 UTC. Not heard
04/30-06, various times. Not heard



UM10 ***Unid 10-minutes net***

4224 kHz, 02-06, 1647 UTC: WF3A //3504 kHz
4224 kHz, 06-06, 1847 UTC: WF3A //3504 kHz
4224 kHz, 10-06, 1543 UTC: WF3A //3504 kHz
3265 kHz, 16-06, 1519 UTC: JZWG //3959 kHz
4224 kHz, 18-06, 1847 UTC: WF3A



Morse version of S25

Danix copied the morse version of S25 on 16083 30-06 at 1150 UTC. Sent in auto CW, 20 WPM, short zero. A very nice catch, Danix !!!

055 055 055 43874 43874 (R4m)
22222 22222
055 055 055 43114 43114 (R4m)
055 055 055 43474 43474 (R4m)
055 055 055 44974 44974 (R4m)
00000 00000

The station also showed up on 01-07, same time and freq. Danix missed the start and copied the following:

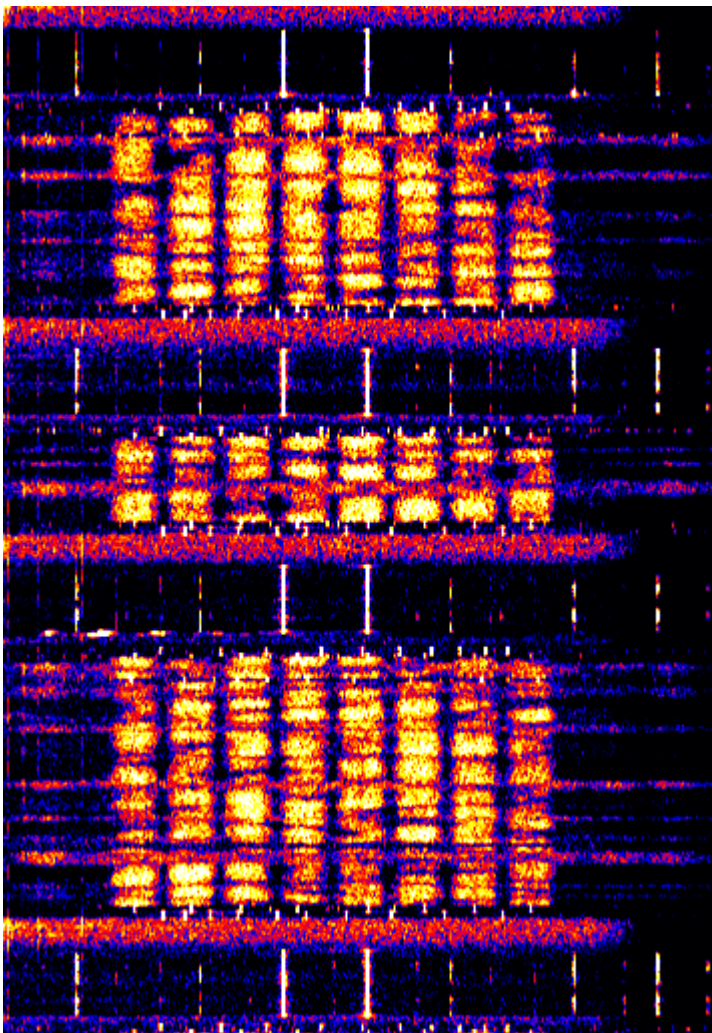
...
055 055 055 43224 43224 (R4m)
00000 00000

VARIOUS MODES



HM01

Dirección General de Inteligencia



13435 kHz, 06-06, 0700 UTC

Voice:
30587 37168 78403 09507 30024 02723

Files sent in RDFT:
36023058.txt
38383716.txt
50217840.txt
30670950.txt
71463002.txt
76420272.txt

Note that the last 3 figures of the .txt files are the 2nd, 3rd and 4th digits of the voice groups.

The contents of the files is unreadable, encrypted binary data. See below on the right. The hex translation is on the left.

00000000: AB 22 6C 32 9F 4C 70 4D 87 28 0C A3 37 03 7B D4	<"12LpM(▲E7-0
00000010: 4F A4 B4 B5 E1 B0 00 96 4F F1 9E DA 21 8D 8E 38	0x'μá° 00ñú!..8
00000020: 07 27 DF 12 7D 08 85 88 09 B8 EC E3 89 9A 9F F1	•'01}□■. iãñññ
00000030: F8 EC 3C 11 C8 CB 19 B7 F2 FE 25 07 79 64 7C 38	øì<ÉÉ-òp%•yd 8
00000040: F1 96 86 27 DD 9D C6 5B 3B E9 99 50 E1 5A 89 10	ñññ'Ý.Æ[;éPázñ+
00000050: 02 2C FE 3A B0 34 60 CC A3 DA E0 3E 8A C6 9D 0F	7,þ:°4`İEÚà>ñÆ.☆
00000060: 23 5B F4 AA 27 D5 B9 0C 22 8F 8A 62 D5 7F 85 C3	#[ôâ'Õ'±''.ñbõñññ
00000070: 15 2E 3E A8 2C D1 B9 39 25 C9 97 68 24 43 6F 73	7.>'',Ñ'9%Eñh\$Cos
00000080: 80 2C C7 04 8E 6F 73 2F E7 A6 0D 0B 0D 8F 1B B8	€,-Ç-ños/ç!-ç..-7,
00000090: A1 3A FF 51 67 F3 07 17 3A 78 80 6D 6E 2D 1C 19	;:ÿQgó•-:xEmn-.-7
000000A0: 28 03 18 56 94 F0 B3 F4 DA 07 02 F2 0C F9 AA 33	(7Uñð³ôú•-ð±ù±3
000000B0: F1 16 BD 12 48 93 29 E0 1F 8E 1C E9 88 0C C7 2F	ñ-½7Hñ)à.ñ.éñ±ç/
000000C0: CF 6B 0A EE 08 BB 89 5B E4 3F 8F 87 C6 A6 26 79	İk.İÇ>ñ[ä?.ñÆ!&y
000000D0: 23 14 E3 4C 2A 92 4E 6D 67 9B D6 BE D1 C7 ED 83	#qäl* 'Nmgn0%ñÇíñ
000000E0: 1A FE 27 86 8B BE 24 53 1C 4E B8 9A F7	-þ'ññ\$S.N,ñ÷

14375 kHz, 11-06, 0602 UTC:

Voice: 57774 42334 78407 26173 55821 02728

Decoded RDFT: 143325777.TXT 46824233.TXT 50217840.TXT 82882617.TXT 80715582.TXT 76420272.TXT

Selected HM01 logs. See further the Logs Section.

8135 kHz, 02-06, 2305 UTC Mixing with M08a

8009 kHz, 03-06, 2259 UTC Mixing with M08a

8135 kHz, 04-06, 2303 UTC 30586 37167 78401 09506 30023 02722. Should be M08a. Distorted signal

8135 kHz, 05-06, 2300 UTC Should be M08a. Instead is HM01 with groups from May 31st.

13435 kHz, 06-06, 0659 UTC 30587 37168 78403 09507 30024 02723. Decoded RDFT: 38383716.txt 36023058.txt 76420272.txt 50217840.txt 71463002.txt 30670950.txt

8009 kHz, 10-06, 2300 UTC Unscheduled HM01: 57774 42334 78407 26173 55821 02728 mixing with M08a

11462 kHz, 11-06, 0557 UTC 57774 42334 78407 26173 55821 02728. Starts new transmission. Should be on 14375 kHz. Stops at 0602z and switches to 14375 kHz.

14375 kHz, 11-06, 0602 UTC 57774 42334 78407 26173 55821 02728. Decoded RDFT: 143325777.TXT 46824233.TXT 50217840.TXT 82882617.TXT 80715582.TXT 76420272.TXT

M42 & X06



Modes:

Various digital modes, CW,
Tones (Mazenka / Mazielka)

Russian Government & Intelligence



M42 – Various modes

17470 kHz, 04-06, 0638 UTC Russia diplo, Moscow CROWD-36

16047 kHz, 24-06, 0918 UTC Russian diplo. Serdolik selcall timing-marker CROWD-36

M42c – FSK 200/500

11022/9090/6784 kHz, 04-06, 1900/1910/1920 UTC

RYRYRY 5761 00000+++++++162)

11022/9090/6784 kHz, 11-06, 1900/1910/1920 UTC

RYRYRY 5761 00000+++++++162)

17494/15930/13479 kHz, 13-06, 1200/1210/1220 UTC

RYRYRY 5761 00000+++++++162)

16320/14802/12205 kHz, 13-06, 1810/1830/1950 UTC

RYRYRY 5761 00000+++++++162)

11022/9090/6784 kHz, 18-06, 1900/1910/1920 UTC	RYRYRY 5761 00000+++++++162)
17494/15930/13479 kHz, 20-06, 1200/1210/1220 UTC	RYRYRY 5761 00000+++++++162)
16320/14802/12205 kHz, 20-06, 1810/1820/1830 UTC	RYRYRY 5761 00000+++++++162)
17494/15930/13479 kHz, 27-06, 1200/1210/1220 UTC	RYRYRY 5761 00000+++++++162)
16320/14802/12205 kHz, 27-06, 1810/1820/1830 UTC	RYRYRY 5761 00000+++++++162)

10601 kHz, 27-06, 0206 UTC

863 1 11111 11111 11111 100 6902 11003 00000 +++++ 206(1 81111 66001 48000 00270 11000 59

M42d – FSK 200/1000

11472/9232/7459 kHz, 01-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 34 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 28th of month : Msg Number 037 : Msg Type 07145 : Group Count (?) 223
34417 59041 30992 23144 09959 33948 12096 11481

10760/8189 kHz, 01-06, 1200/1210 UTC

Block No 0 : Total Message Size 34 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 28th of month : Msg Number 037 : Msg Type 07145 : Group Count (?) 223
34417 59041 30992 23144 09959 33948 12096 11481

11472/9232/7459 kHz, 02-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 59 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 1st of month : Msg Number 040 : Msg Type 07145 : Group Count (?) 175
13936 61336 52027 03954 07583 00880 62268 04096

10760/8189 kHz, 02-06, 1200/1210 UTC

Block No 0 : Total Message Size 59 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 1st of month : Msg Number 040 : Msg Type 07145 : Group Count (?) 175
13936 61336 52027 03954 07583 00880 62268 04096

12192/10637/8097 kHz, 02-06, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 2nd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39620 00000 00000 03229 49814 36300 00893 14224

11472/9232/7459 kHz, 03-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 2nd of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 213
48212 11364 39564 08861 58024 00124 19345 07691

10760/8189 kHz, 03-06, 1200/1210 UTC

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 2nd of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 213
48212 11364 39564 08861 58024 00124 19345 07691

11472/9232/7459 kHz, 04-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 47 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 3rd of month : Msg Number 047 : Msg Type 07145 : Group Count (?) 155
57052 24529 18184 22995 58024 33928 31505 59861

10760/8189 kHz, 04-06, 1200/1210/1220 UTC

Block No 0 : Total Message Size 47 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 3rd of month : Msg Number 047 : Msg Type 07145 : Group Count (?) 155
57052 24529 18184 22995 58024 33928 31505 59861

11472/9232/7459 kHz, 05-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 5th of month : Msg Number 022 : Msg Type 07145 : Group Count (?) 4
63352 00000 00000 00403 55182 35408 00893 56928

18321/15884/13579 kHz, 06-06, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 6th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 03262 13740 35272 00893 36061

19241/17462/14412 kHz, 07-06, 1100/1110/1120 UTC

Block No 0 : Total Message Size 89 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 4th of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 102
26732 61713 59673 05189 28573 09631 14280 12550

16232/14431 kHz, 07-06, 1540/1550 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 7th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 02467 12857 34626 00893 23037

10760/8189 kHz, 08-06, 1200/1210 UTC

Block No 0 : Total Message Size 31 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 45136 : 5th of month : Msg Number 052 : Msg Type 07145 : Group Count (?) 203
04588 37383 40180 38703 55182 36649 06672 46049

11472/9232/7459 kHz, 09-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 53 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 8th of month : Msg Number 055 : Msg Type 07145 : Group Count (?) 173
27528 42695 42073 24871 01146 00010 08647 29392

10760/8189/6780 kHz, 09-06, 1200/1210/1220 UTC

Block No 0 : Total Message Size 53 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 8th of month : Msg Number 055 : Msg Type 07145 : Group Count (?) 173
27528 42695 42073 24871 01146 00010 08647 29392

13466 kHz, 09-06, 1420 UTC

Block No 0 : Total Message Size 53 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45265 : 8th of month : Msg Number 055 : Msg Type 07145 : Group Count (?) 173
27528 42695 42073 24871 01146 00010 08647 29392

13481 kHz, 09-06, 1700 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 9th of month : Msg Number 142 : Msg Type 07145 : Group Count (?) 4
43212 00000 00000 00100 32012 35132 00893 47132

12201/11146 kHz, 09-06, 2310/2320 UTC

Block No 0 : Total Message Size 56 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 9th of month : Msg Number 132 : Msg Type 07145 : Group Count (?) 124
23780 24516 57030 39823 10214 38067 47973 63173

11474/9232/7459 kHz, 10-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 9th of month : Msg Number 060 : Msg Type 07145 : Group Count (?) 239
34932 23140 09786 15004 09959 02297 27885 10050

15904/13466/11112 kHz, 10-06, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 10th of month : Msg Number 245 : Msg Type 07145 : Group Count (?) 4
20332 00000 00000 01063 19299 01093 00893 00566

10760/8189/6780 kHz, 10-06, 1200/1210/1220 UTC

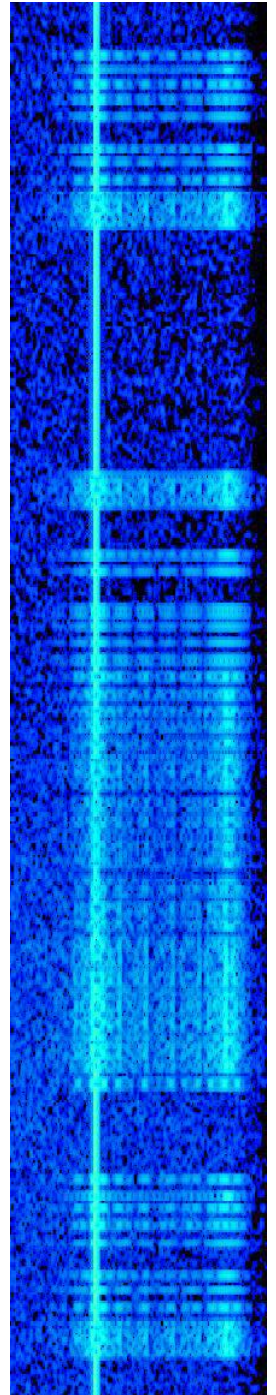
Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 9th of month : Msg Number 060 : Msg Type 07145 : Group Count (?) 239
34932 23140 09786 15004 09959 02297 27885 10050

11472/9232/7459 kHz, 11-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 54 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 10th of month : Msg Number 062 : Msg Type 07145 : Group Count (?) 159
60196 14951 59784 27177 65099 33062 16148 04550



17426/15787/13384 kHz, 11-06, 0800/0810/0820 UTC

Block No 0 : Total Message Size 26 blocks : This transmission contains one message.

Block No 1 : Link ID 16404 : 9th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 166
21964 19495 16712 35174 64146 33963 53154 08861

10760 kHz, 11-06, 1200 UTC

Block No 0 : Total Message Size 54 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 10th of month : Msg Number 062 : Msg Type 06505 : Group Count (?) 159
59684 14439 57736 10793 65099 33062 16148 04550

13541/11152/9219 kHz, 11-06, 1200/1210/1220 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 11th of month : Msg Number 120 : Msg Type 07145 : Group Count (?) 0
56120 00000 00000 01700 47143 03636 00893 52161

11472/9232/7459kHz, 12-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 12th of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 4
42408 00000 00000 01443 09959 02009 00893 00455

16312/14567/12189 kHz, 12-06, 0900/0910/0920 UTC

Block No 0 : Total Message Size 45 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 180 : Msg Type 07145 : Group Count (?) 44
07436 25715 11876 02203 62429 05274 26182 59301

19241/17462/14412 kHz, 13-06, 1100/1110/1120 UTC

Block No 0 : Total Message Size 89 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 4th of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 102
26732 61713 59673 05189 28573 09631 14280 12550

18321/15884/13579 kHz, 13-06, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 13th of month : Msg Number 052 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 00098 13740 35329 00893 15485

18519/16254/14639 kHz, 13-06, 2130/2140/2150 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 13th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
49708 00000 00000 01716 28292 33366 00893 34393

13889/11147/9183 kHz, 15-06, 0400/0410/0420 UTC

Block No 0 : Total Message Size 124 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45071 : 11th of month : Msg Number 012 : Msg Type 07145 : Group Count (?) 202
28324 52209 13817 01471 53253 35698 59531 51528

11472/9232/7459 kHz, 15-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 36 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 12th of month : Msg Number 067 : Msg Type 07145 : Group Count (?) 237
48824 59380 38235 16283 01146 34353 15877 45887

11472/9232/7459 kHz, 16-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 66 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 15th of month : Msg Number 070 : Msg Type 07145 : Group Count (?) 223
15208 28486 44730 22670 55182 01928 32681 17572

10760/8189 kHz, 16-06, 1200/1210 UTC

Block No 0 : Total Message Size 66 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 15th of month : Msg Number 070 : Msg Type 07145 : Group Count (?) 223
47976 28230 44730 22670 55182 01928 32681 17572 0684 06664 00074 0684 0684

17479/15945/13466 kHz, 16-06, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 16th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
13972 00000 00000 03480 19279 33763 00893 12406

17451/15863/13481 kHz, 16-06, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 16th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
63088 00000 00000 04030 16418 33895 00893 46061

14979/12201/11146 kHz, 16-06, 2300/2310/2320 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 16th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
13972 00000 00000 00225 10239 33779 00895 45279

11472/9232/7459 kHz, 17-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 41 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 16th of month : Msg Number 075 : Msg Type 07145 : Group Count (?) 13
23604 62547 07749 39622 65099 06341 40614 33466

10760 kHz, 17-06, 1200 UTC

Block No 0 : Total Message Size 41 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 16th of month : Msg Number 075 : Msg Type 07145 : Group Count (?) 13
23604 62547 07749 39622 65099 06341 40614 33466

16284/14515/12177 kHz, 17-06, 1230/1240/1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 17th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
34156 00000 00000 03039 15966 36010 00893 02208

15841/13486 kHz, 17-06, 2210/2220 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49202 : 17th of month : Msg Number 110 : Msg Type 07145 : Group Count (?) 4
18212 00000 00000 02545 28271 02180 00893 31778

11472/9232/7459 kHz, 18-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 58 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 17th of month : Msg Number 077 : Msg Type 07145 : Group Count (?) 187
29688 12248 33854 23201 58024 35991 06488 13018

13541 kHz, 18-06, 1330 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains 3 messages.

Block No 1 : Link ID 49237 : 18th of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 4
65144 00000 00000 00539 39258 02751 00893 14183

11472/9232/7459 kHz, 19-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 18th of month : Msg Number 110 : Msg Type 07145 : Group Count (?) 4
42584 00000 00000 03211 07583 00052 00893 47134

19241/17462/14412 kHz, 20-06, 1100/1110/1120 UTC

Block No 0 : Total Message Size 89 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 4th of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 102
26732 61713 59673 05189 28573 09631 14280 12550

18321/15884/13579 kHz, 20-06, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 20th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
63124 00000 00000 01688 16767 33486 00893 57835

19241/17462/14412 kHz, 21-06, 1100/1110/1120 UTC

Block No 0 : Total Message Size 89 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 4th of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 102
26732 61713 59673 05189 28573 09631 14280 12550

11472/9232/7459 kHz, 22-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 36 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 22nd of month : Msg Number 082 : Msg Type 07145 : Group Count (?) 237
18552 02757 12058 26340 07583 33244 23585 55751

10760/8189/6780 kHz, 22-06, 1200/1210/1220 UTC

Block No 0 : Total Message Size 36 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 22nd of month : Msg Number 082 : Msg Type 07145 : Group Count (?) 237
18552 02757 12058 26340 07583 3324

10760/8189/6780 kHz, 23-06, 1200/1210/1220 UTC

Block No 0 : Total Message Size 36 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 22nd of month : Msg Number 082 : Msg Type 07145 : Group Count (?) 237
18552 02757 12058 26340 07583 33244 23589 55751

17479/15945/13466 kHz, 23-06, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 23rd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
55564 00000 00000 02282 09187 34834 00893 32874

17449/15863/13481 kHz, 23-06, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 23rd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 02741 12857 34166 00893 09936

11472/9232/7459 kHz, 24-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 39 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 23rd of month : Msg Number 090 : Msg Type 07145 : Group Count (?) 1
25784 52004 22062 07052 09959 05781 05082 62176

15904/13466/11112 kHz, 24-06, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 24th of month : Msg Number 037 : Msg Type 07145 : Group Count (?) 4
26660 00000 00000 01532 29748 35930 00893 38346

17426/15787/13384 kHz, 24-06, 0800/0810/0820 UTC

Block No 0 : Total Message Size 26 blocks : This transmission contains one message.

Block No 1 : Link ID 16404 : 9th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 166
21964 19495 16712 35174 64146 33963 53154 08861

16341/14524/12211 kHz, 24-06, 0915/0925/0935 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20492 : 24th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
30356 00000 00000 04074 34753 35979 00893 62252

13486 kHz, 24-06, 2220 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49202 : 24th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
04652 00000 00000 01258 37831 33369 00893 61949

11472/9232/7459 kHz, 25-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 55 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 24th of month : Msg Number 092 : Msg Type 07145 : Group Count (?) 169
07388 53399 46450 32624 00122 33303 31441 06303

17426/15787/13384 kHz, 25-06, 0800/0810/0820 UTC

Block No 0 : Total Message Size 26 blocks : This transmission contains one message.

Block No 1 : Link ID 16404 : 9th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 166
21964 19495 16712 35174 64146 33963 53154 08861

13541/11152/9219 kHz, 25-06, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 25th of month : Msg Number 222 : Msg Type 03049 : Group Count (?) 4
04588 00000 00000 00477 64414 32886 00893 10174

16249/14563/12114 kHz, 27-06, 0800/0810/0820 UTC

Block No 0 : Total Message Size 12 blocks : This transmission contains one message.

Block No 1 : Link ID 45114 : 25th of month : Msg Number 025 : Msg Type 07145 : Group Count (?) 66
34212 03538 20785 26572 56490 00386 47733 29585

16312/14567/12189 kHz, 27-06, 0900/0910/0920 UTC

Block No 0 : Total Message Size 45 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 180 : Msg Type 07145 : Group Count (?) 44
07436 25715 11876 02203 62429 05274 26182 59301

19241/17462/14412 kHz, 27-06, 1100/1110/1120 UTC

Block No 0 : Total Message Size 21 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 25th of month : Msg Number 047 : Msg Type 07145 : Group Count (?) 130
09668 48689 13402 07902 43092 33762 09123 20790

18321/15884/13579 kHz, 27-06, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 27th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39181 00000 00000 02478 13740 35193 00893 41463

16249/14563/12114 kHz, 28-06, 0800/0810/0820 UTC

Block No 0 : Total Message Size 12 blocks : This transmission contains one message.

Block No 1 : Link ID 45114 : 25th of month : Msg Number 025 : Msg Type 07145 : Group Count (?) 66
34212 03538 20785 26572 56490 00386 47733 29585

16312/14567/12189 kHz, 28-06, 0900/0910/0920 UTC

Block No 0 : Total Message Size 45 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 180 : Msg Type 07145 : Group Count (?) 44
07436 25715 11876 02203 62429 05274 26182 59301

19241/17462/14412 kHz, 28-06, 1100/1110/1120 UTC

Block No 0 : Total Message Size 21 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 25th of month : Msg Number 047 : Msg Type 07145 : Group Count (?) 130
09668 48689 13402 07902 43092 33762 09123 20790

11472/9232/7459 kHz, 29-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 40 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 26th of month : Msg Number 097 : Msg Type 07145 : Group Count (?) 9
43941 29577 63983 30071 09959 37171 22265 46530

10760/8189/6780 kHz, 29-06, 1200/1210/1220 UTC

Block No 0 : Total Message Size 40 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 26th of month : Msg Number 097 : Msg Type 07145 : Group Count (?) 9
43941 29577 63983 30071 09959 37171 22265 46530

11472/9232/7459 kHz, 30-06, 0700/0710/0720 UTC

Block No 0 : Total Message Size 57 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 29th of month : Msg Number 100 : Msg Type 07145 : Group Count (?) 185
63353 42049 14250 27007 55182 03238 24261 33597

12201/11146 kHz, 30-06, 2310/2320 UTC

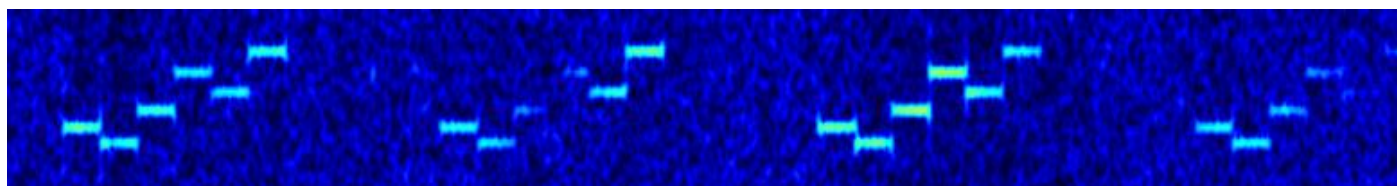
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 30th of month : Msg Number 137 : Msg Type 07145 : Group Count (?) 4
07837 00000 00000 03108 06549 34642 00893 43386

X06 - Mazielka

19875 kHz, 02-06, 0825 UTC Mazielka. Sequence: 125643
11545 kHz, 09-06, 0935 UTC Mazielka. Sequence: 534216
10203 kHz, 18-06, 1853 UTC Mazielka. Sequence: 215346
14425 kHz, 19-06, 0655 UTC Mazielka. Sequence: 213546
16222 kHz, 25-06, 1345 UTC Mazielka. Sequence: 164532

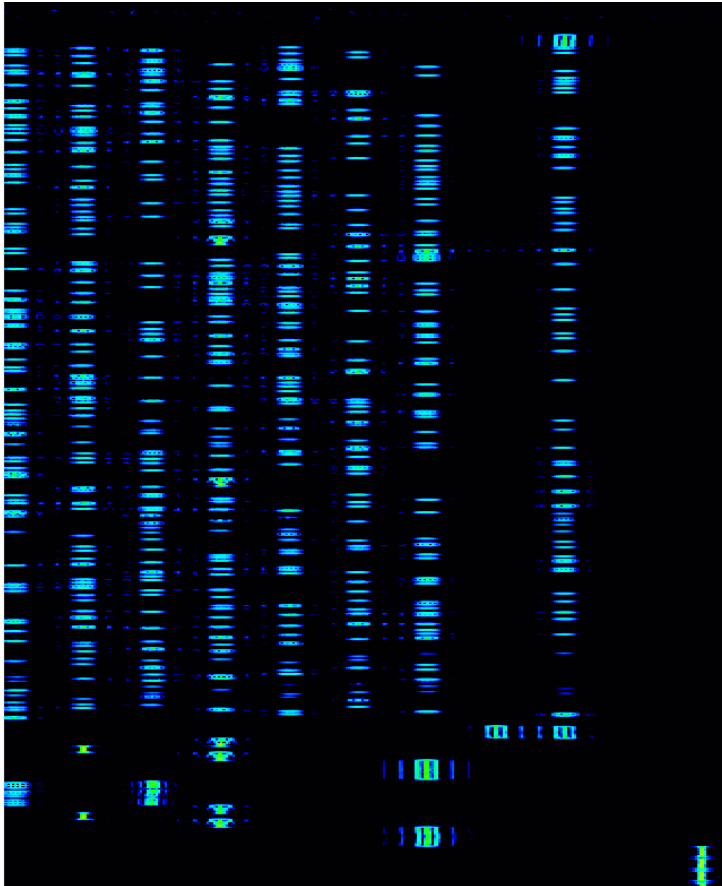
16224 kHz, 25-06, 1345 UTC Mazielka. Sequence: 164532
9288 kHz, 26-06, 0650 UTC Mazielka. Sequence: 356412
17463 kHz, 26-06, 1135 UTC Mazielka. Sequence: 256134
17463 kHz, 26-06, 1137 UTC Mazielka. Sequence: 256134



Mazielka. Sequence: 213546 (screenshot: Antonio)



XPA



10438/9938/9138 kHz, 02-06, 1730/1750/1810 UTC

491 491 000

04567 00001 00000 10140

11409/13509/14609 kHz, 03-06, 0600/0620/0640 UTC

456 456 456 000

08539 00001 00000 10140

11409/13509/14609 kHz, 06-06, 0600/0620/0640 UTC

456 456 456 000

06797 00001 00000 10140

11409/13509/14609 kHz, 10-06, 0600/0620/0640 UTC

456 456 456 000

05912 00001 00000 10140

11409/13509/14609 kHz, 13-06, 0600/0620/0640 UTC

456 456 456 000

01779 00001 00000 10140

10438/9938/9138 kHz, 18-06, 1730/1750/1810 UTC

491 491 491 000

06423 00001 00000 10140

10438/9938/9138 kHz, 23-06, 1730/1750/1810 UTC

491 491 491 000

08698 00001 00000 10140

10438/9938/9138 UTC, 09-06, 1730/1750/1810 UTC

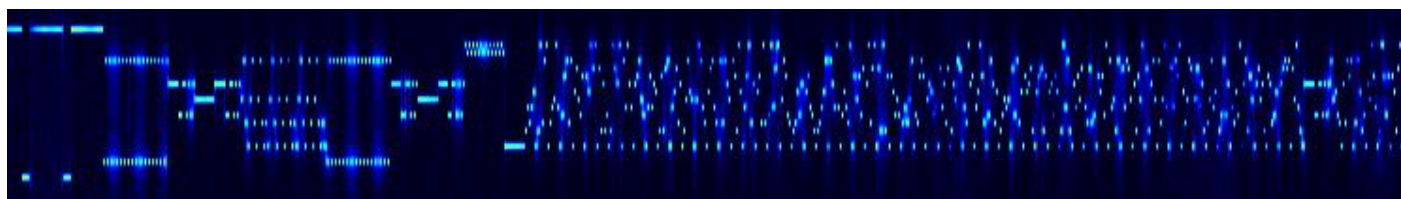
491 491 491 1

09930 00215 93732 37959 23603 34645 41643 09472 37146 09301
11730 24406 79173 28473 08142 58951 24172 11176 54274 15367
98282 08593 88710 76535 73303 43772 76450 04982 99042 16912
86426 52298 41927 25988 81912 68783 64204 42483 32494 90059
42900 43296 08985 86243 21388 99247 47266 71944 29575 30433
50163 19982 89186 84158 51604 96012 33154 78062 54066 73306
63881 33423 16101 26454 97529 83373 12447 21652 52678 39739
06580 15403 32901 65965 25557 05465 49969 27207 41777 83482
62503 34624 45905 78648 32749 04177 18599 23051 08736 39430
50279 80248 17370 81179 24026 74379 76807 01409 70905 90653
04493 32455 96552 60435 43359 71017 85887 46177 18025 52160
79192 16290 76838 17291 69473 22243 52121 93522 36503 57813
20523 01739 69410 86829 80978 67393 23977 30398 56331 92701
45386 63419 41966 20555 11630 29465 00010 99977 41623 10108
15958 32061 45287 28702 14502 08162 82913 29797 34278 09924
20096 64633 40108 57359 99770 52254 24200 47195 60030 75484
97707 36539 62682 46316 12272 18813 32304 24133 03323 81831
84909 02766 57154 13162 78299 52839 68572 34072 47165 06558
18124 89292 09097 56262 85432 41325 00231 17855 19789 47446
87601 82168 55906 01295 72403 33485 20110 67012 64116 14629
71950 86293 84718 26278 71650 69346 71475 14386 22055 23484
56157 83396 65812 40270 45016 38695 45224 36764

10438/9938/9138 kHz, 11-06/16-06, 1730/1750/1810 UTC

491 491 491 1

03135 00199 13443 27919 58427 75588 80602 00866 93363 67942
37365 07089 35816 04954 44931 58931 91964 97005 37716 57111
22388 49721 01526 57320 01359 96333 25311 74728 66188 80007
75242 13149 21797 46523 83618 06498 31167 35571 29615 02434
82915 75680 57807 56275 00390 63748 31812 75722 93409 83984
60744 80694 91443 83977 51498 48360 14935 02926 31522 69074
68460 76125 68989 84430 94521 61979 19502 64473 00727 75088
54949 62336 53639 95679 37728 00526 98225 23685 54327 40062
11554 67626 02901 63660 85599 22316 42730 26108 83749 71247
00379 27126 83840 64412 88493 21476 26392 22107 92342 12305
51418 25956 96952 68126 69825 59689 08019 50067 24497 62029
67064 72944 92267 68941 77855 53647 95403 64420 69450 68553
45496 02594 92704 46689 23292 78358 02642 67133 71524 54199
38040 41118 02309 01594 53678 08636 10415 11689 89755 24548
60498 68929 83133 40895 77058 13982 89360 34084 80071 69380
32307 77898 20291 78178 08244 59908 11562 09462 82665 67816
63166 93026 59297 73514 00036 33718 00515 72600 88058 38250
88663 68151 47910 73694 39536 36717 01746 07406 82828 79913
28724 17597 82564 85480 69947 43991 64070 62770 45601 11985
42317 21398 05065 27756 97117 26743 54687 85295 11439 14341
04568 57460



11409/13509/14609 kHz, 17-06/20-06, 0600/0620/0640 UTC

456 456 456 1

09501 00123 32149 62679 52728 08612 87622 21159 90889 25568
84521 73559 14687 83383 89602 25135 23761 60580 38974 06143
35692 87824 74864 51669 68150 31840 63258 36275 59153 92155
70764 25668 28853 80637 29270 71817 87001 21697 17607 74313
32752 17126 86925 96304 02526 60634 03747 65050 52012 03924
47987 16646 09997 98023 94943 53122 05649 96495 33659 38100
58188 65049 65779 89629 11177 16426 23112 25218 90706 74421
50086 21189 34058 66872 79876 78113 45406 27234 22554 46431
68311 63922 38542 50227 82932 26557 07559 36678 74531 34761
73324 30787 94455 76820 84113 81776 72171 98155 20474 45935
74911 78632 72265 17161 53768 95919 18302 08643 34569 56397
09101 84250 45752 45248 81189 10189 42672 21393 20703 55607
91723 91629 24970 58778 87120 64076

11409/13509/14609 kHz, 24-06, 0600/0620/0640 UTC

456 456 456 000

05408 00001 00000 10140

10438/9938/9138 kHz, 25-06, 1730/1750/1810 UTC

491 491 491 000

01770 00001 00000 10140

11409/13509/14609 kHz, 27-06, 0600/0620/0640 UTC

456 456 456 000

06057 00001 00000 10140

10438/9938/9138 kHz, 30-06, 1730/1750/1810 UTC

491 491 491 000

06628 00001 00000 10140



XPA2

14738/13438/12138 kHz, 02-06, 2100/2120/2140 UTC

09950 00001 00000 10140

15884/14984/14384 kHz, 04-06, 1900/1920/1940 UTC

01275 00117 44626 87541 02540 79947 18432 04174 22065 48610
16109 02145 82593 56151 70870 15212 06438 69847 33255 12513
42542 55327 97630 20524 60156 46782 65184 47849 61907 77488
41106 55052 43979 69397 63264 06481 54222 08345 35151 50475
86269 63233 87909 40406 78489 57691 14105 87697 40488 44109
44896 46542 63686 69639 11907 02695 70230 29936 76369 21091
45296 00540 12207 82063 00342 34112 73807 48361 92014 86626
46638 25723 57810 56439 37708 66661 66681 06109 19151 67857
60077 23200 12782 27885 77945 40911 71668 85388 23037 78331
90844 13338 39104 50666 70066 64471 70874 97663 70744 66430
21403 74486 76683 36970 44584 90173 74534 65468 47550 78630
98919 63881 21366 96352 83044 21611 65656 31378 28697 06676

19514/18214 kHz, 05-06, 0700/0720 UTC

05691 00001 00000 10140

16167 kHz, 05-06, 2120 UTC

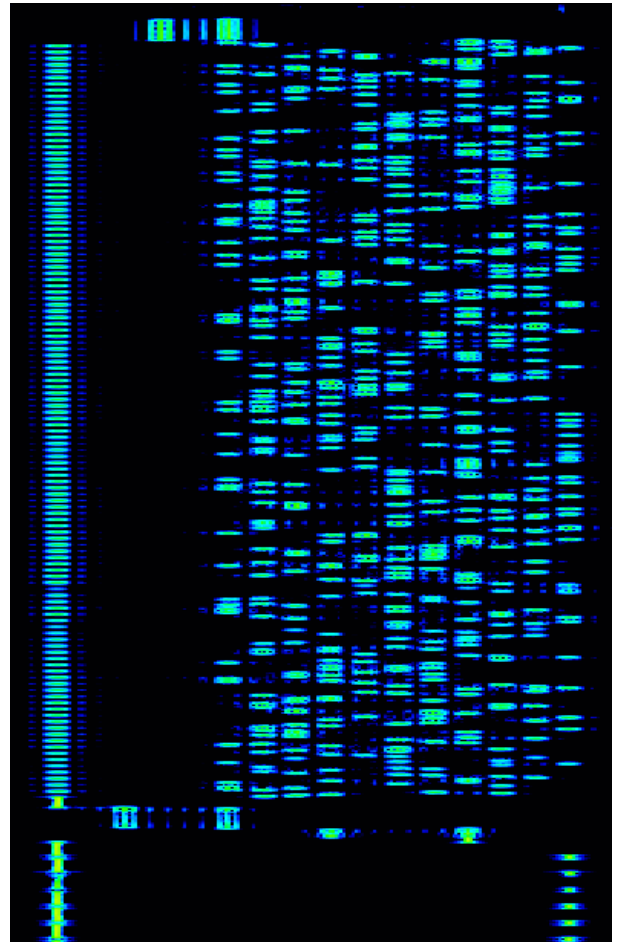
03720 00001 00000 10140

14663 kHz, 06-06, 2120 UTC

01086 00000 00000 00030

14738 kHz, 09-06, 2100 UTC

09883 00001 00000 10140



19514/18214/16314 kHz, 09-06, 0700/0720/0740 UTC

00251 00101 44709 44840 55546 26889 71015 58344 03195 90347
19423 51680 75431 70528 82081 82791 49682 10036 96402 79230
74472 16866 91892 10645 38699 59528 03390 62425 59450 66417
61756 50266 96756 25673 04572 30340 50525 10756 57341 22122
17835 92254 46113 95037 29704 07967 17445 85790 62065 38923
10552 86473 71818 56751 53236 98968 24975 59184 91131 99410
28640 82251 90688 92894 72088 29087 25186 71050 36165 59224
99905 02522 42905 38815 28450 15155 59349 59503 84136 11995
96084 11135 48800 33615 76727 17767 55535 51483 25510 30806
10333 74071 84123 82489 61727 83311 56745 93757 88347 25105
14376 64966 21350 75650

15884/14984/14384 kHz, 11-06, 1900/1920/1940 UTC

01669 00001 00000 10140

19514/18214/16314 kHz, 12-06, 0700/-720/0740 UTC

00251 00101 44709 44840 55546 26889 71015 58344 03195 90347
19423 51680 75431 70528 82081 82791 49682 10036 96402 79230
74472 16866 91892 00645 38699 59528 03390 62425 59450 66417
61756 50266 86656 25673 04572 30340 50525 10756 57341 22122
17735 92254 46113 95037 28704 07867 17445 75790 62065 28923
00552 86473 71818 56651 42236 88868 24865 59174 91121 99300
27544 82250 80688 92894 72077 29077 25176 70050 36155 59223
88904 02411 32805 37715 27450 15155 59349 59503 84136 21995
96084 11025 48888 43615 86626 07766 65534 51373 16520 30806
20333 74071 84112 82388 61726 73322 55844 93856 98337 25105
14376 64966 21360 75650

16167/14663/13923 kHz, 12-06/13-06, 2100/2120/2140 UTC

06825 00107 23585 12742 98810 69709 69465 17252 45863 04889
65046 77886 71869 40659 75262 71684 08098 98214 04642 22144
56527 31868 50016 74618 03613 67306 60716 04552 94105 30914
08715 06202 97046 90161 57973 80711 60570 09313 35896 41521
80719 19926 84419 27522 01882 99297 13063 50129 36490 02809
87983 75988 46341 21911 14787 24552 47164 40395 60483 67281
93626 51772 76840 50233 59509 25585 59006 94745 00837 16712
81223 22347 51145 41756 08681 77084 07771 79992 88306 33990
94393 28880 58007 58288 57559 82904 37538 92111 33905 14688
85138 06075 43054 98655 06382 73981 06496 69185 51279 30682
65516 27645 56064 26387 62544 88991 62517 38728 93594 40411

14738/13438/12138 kHz, 14-06/16-06, 2100/2120/2140 UTC

04502 00073 61179 37550 75985 16309 25028 03114 51029 02191
47497 29872 38819 57502 67731 16843 95716 06410 94751 22650
93561 85297 24950 12830 51877 24144 61542 00020 92025 54523
71286 04462 45095 58878 29104 07579 79629 58210 67136 00058
08191 90273 56221 63644 73720 68776 42861 27790 41257 96774
70293 65708 07983 33634 04504 81365 05094 81178 74303 62093
14306 45582 76863 28028 73734 13452 78676 59898 73814 70321
24449 58727 58407 37552 88616 50566

19514/18214/16314 kHz, 16-06, 0700/0720/0740 UTC

05691 00001 00000 10140

15884/14984/14384 kHz, 18-06, 1900/1920/1940 UTC

06227 00001 00000 10140

19514/18214/16314 kHz, 19-06, 0700/0720/0740 UTC

05691 00001 00000 10140

16167/14663/13923 kHz, 19-06, 2100/2120/2140 UTC

03800 00001 00000 10140

16167/14663/13923 kHz, 20-06, 2100/2120/2140 UTC

01966 00001 00000 10140

13438/12138 kHz, 21-06, 2120/2140 UTC

03555 00065 55044 75209 85544 25192 20822 64775 41660 79333
15417 83877 16966 20309 37275 27925 73673 41482 41008 94484
44356 26090 06660 02020 99325 71628 73426 81410 54431 10674
08712 78356 22272 16939 82073 17698 84969 81055 46680 96361
69341 16071 80603 17544 95471 84723 47590 25564 80770 40206
87687 97097 76739 86393 75664 60240 25428 71254 71796 25022
95013 08608 64431 61282 09356 59523 36349 10102

15884/14984/14384 kHz, 23-06, 1900/1920/1940 UTC

00920 00103 64916 21615 81112 37418 22068 22012 45617 02815
22354 32992 59405 51962 05712 94649 11621 76661 79682 14542
10940 03463 67168 31003 70943 89575 04844 31109 92070 79759
22295 72786 46915 93512 11530 64014 94572 91748 39443 23246
53696 70238 75454 22166 57924 48988 58116 33833 68360 45863
03983 91271 45990 09863 55869 45841 88762 27861 45855 92930
70318 37719 22679 66852 14578 40763 76494 01623 25971 27203
11932 39928 81667 24918 18235 57582 37202 88892 37295 96753
11302 46564 61414 66999 22153 79514 63750 48756 81305 04913
77009 59597 62259 66314 12278 73321 76226 03997 34968 26477
17771 65878 13072 47906 84880 00413

14738/13438/12138 kHz, 23-06, 2100/2120/2140 UTC

03566 00065 56645 75209 85544 25192 20823 64785 41670 79333
14417 83877 16966 20309 37275 27925 73673 41482 41008 94484
44246 26090 05560 01020 99325 71628 73426 81410 54431 10674
08712 78356 11172 16939 81073 17698 84969 81155 46680 96361
69341 16071 80603 17544 95471 84723 47590 25564 80770 40106
87687 97097 66739 86392 75664 60240 25428 71254 71796 25011
95012 08608 64421 61282 09356 59223 36349 00002

16167 kHz, 26-06, 2100 UTC. The signal was raped by a radar. Therefore the message contains errors.

00146 00102 25402 73502 47113 53554 68060 77760 03148 55388
88322 84225 01054 52342 34220 7862 61055 22301 4637 27888
53654 22465 05372 6777 41170 48742 41452 05333 13621 8776
15523 82833 0166 66630 10726 88856 11600 61030 23621 04466
68881 11668 48855 2744 33633 78711 47855 73616 04688 44685
40064 00380 36306 00306 86803 82633 08010 67830 87178 37863
33080 46343 66410 81363 32266 76003 86001 00881 47909 01006
46337 36640 71636 72586 80433 88463 62026 10466 18383 08806
83478 51510 27366 73460 45041 22543 27433 41406 46800 33843
00070 01668 24642 74088 62288 61021 86188 06035 35366 66681
51777 15134 80238 63306 35633

16167/14663/13923 kHz, 28-06, 2100/2120/2140 UTC

07530 00001 00000 10140

14738/13438/12138 kHz, 28-06, 2100/2120/2140 UTC

04108 00001 00000 10140

19514/18214/16314 kHz, 30-06, 0700/0720/0740 UTC

04477 00079 92051 33847 60962 37540 90853 14832 02047 82232
24701 10805 99176 13779 12698 66526 61089 80975 73558 46655
31722 06052 94805 00737 44203 23849 78024 75435 65908 96362
17934 48701 11299 69735 06856 15469 94111 54718 43406 62659
19913 08501 47923 36217 25266 88876 93075 46120 82028 02993
01409 89414 33346 79328 62943 49153 30348 40414 96813 82385
71224 33489 51544 50322 18630 72914 93618 33388 24013 55854
73478 34217 23935 77934 55193 72101 27566 45308 83697 90083
82521 42157

15884/14984/14384 kHz, 30-06, 1900/1920/1940 UTC

07945 00001 00000 10140

14738/13438/12138 kHz, 30-06, 2100/2120/2140 UTC

07889 00001 00000 10140



POL
Polish Intelligence

6480 kHz, 01-06, 0800/0805 UTC

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 01-06, 0815/0820 UTC

0446 0446 0446 0446 0446

88888 88888 42473 84873 58273 44511 66524 16475 64849 02325

79904 02157 18879 86507 34383 91756 23559 64819 69413 85505

51816 37534 99564 43434 62005 56266 52374 68269 57408 22664

81278 33563 02027 94709 85418 21538 68316 88888 88888

00039 00039

13424 kHz, 01-06, 0845/0850 UTC

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 01-06, 1305/1310 UTC

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 02-06, 0630/0635 UTC

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 02-06, 0655/0700 UTC

0684 0684 0684 0684 0684

88888 88888 15038 01858 79302 88052 08828 59413 47775 99007

65771 53379 08836 20658 25323 37241 05900 00420 59155 98598

64891 31826 58107 83706 38382 98683 99025 06469 74293 97533

43134 41522 66318 34057 21578 60407 34768 17214 88888 88888

00040 00040

14940 kHz, 02-06, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 02-06, 1005/1010 UTC

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9576 kHz, 02-06, 1030/1035 UTC

0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13537 kHz, 03-06, 0530/0535 UTC

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9576 kHz, 03-06, 1030/1035 UTC

0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 03-06, 1305/1310 UTC

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8456 kHz, 04-06, 0300/0305 UTC

0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 04-06, 0630/0635 UTC

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14940 kHz, 04-06, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 04-06, 1305/1310 UTC

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13537 kHz, 05-06, 0530/0636 UTC

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 05-06, 0655/0700 UTC

0684 0684 0684 0684 0684
88888 88888 15038 01858 79302 88052 08828 59413 47775 99007
65771 53379 08836 20658 25323 37241 05900 00420 59155 98598
64891 31826 58107 83706 38382 98683 99025 06469 74293 97533
43134 41522 66318 34057 21578 60407 34768 17214 88888 88888
00040 00040

13046 kHz, 05-06, 0815/0820 UTC

0446 0446 0446 0446 0446
88888 88888 42473 84873 58273 44511 66524 16475 64849 02325
79904 02157 18879 86507 34383 91756 23559 64819 69413 85505
51816 37534 99564 43434 62005 56266 52374 68269 57408 22664
81278 33563 02027 94709 85418 21538 68316 88888 88888
00039 00039

8423 kHz, 05-06, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 05-06, 1005/1010 UTC

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 05-06, 1405/1410 UTC

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 07-06, 1405/1410 UTC

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 08-06, 0800/0805 UTC

0434 0434 0434 0434 0434
88888 88888 00361 10320 48915 99319 01337 22460 81752 95035
40007 91481 51502 23136 49417 45397 96195 08825 42746 65352
21952 49694 37289 23052 03044 21198 83460 59407 46602 76672
92134 25955 88888 88888
00034 00034

13046 kHz, 08-06, 0815/0830 UTC

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16005 kHz, 08-06, 1525/1530 UTC

0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 09-06, 0630/0635 UTC

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 09-06, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14940 kHz, 09-06, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 09-06, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 09-06, 1005/1010 UTC

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9576 kHz, 09-06/10-06, 1030/1035 UTC

0325 0325 0325 0325 0325

88888 88888 28404 59181 50090 26806 45099 75795 88620 96036

09567 51762 81898 13514 71805 51299 98473 62202 19874 31056

50298 26117 23047 57369 08643 41205 35810 90177 89995 68887

01142 5 64 83464 44056 10033 81431 88888 88888

00038 00038

13424 kHz, 10-06, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 75906 40096 47099 36893 50829 89191 08703 82331

21010 62061 47473 02724 73635 69113 45179 38194 46144 68507

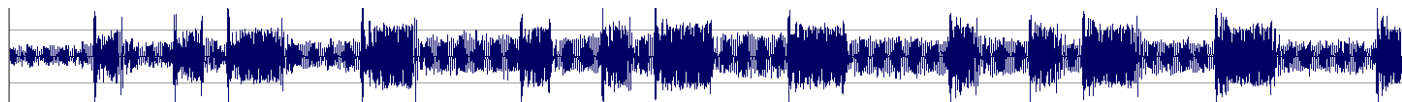
63167 07876 18508 22708 53838 59550 12970 08210 73469 60990

70470 78036 54003 65181 95145 58029 61345 75445 88888 88888

00040 00040

13470 kHz, 10-06, 0630/0635 UTC

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000



14940 kHz, 11-06, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 11-06, 0800/0805 UTC

0434 0434 0434 0434 0434

88888 88888 00361 10320 48915 99319 01337 22460 81752 95035

40007 91481 51502 23136 49417 45397 96195 08825 42746 65352

21952 49694 37289 23052 03044 21198 83460 59407 46602 76672

92134 25955 88888 88888

00034 00034

7727 kHz, 11-06, 1305/1310 UTC

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13537 kHz, 12-06, 0530/0535 UTC

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 12-06, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 12-06, 0815/0820 UTC

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 12-06, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 12-06, 1005/1010 UTC

0675 0675 0675 0675 0675 00000 00000 00000 00000 003 00000 00000 00000 00000 00000

7727 kHz, 14-06, 1305/1310 UTC

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 14-06, 1405/1410 UTC

0877 0877 0877 0877 0877
88888 88888 01586 71395 87496 74730 99801 26316 30708 10289
44527 81683 76717 84803 38974 35601 77061 25621 88328 73996
77855 19545 26671 52309 62851 60634 94724 85004 83058 60015
34015 74656 16918 14820 80596 88888 88888
00037 00037

16005 kHz, 14-06, 1525/1530 UTC

0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 15-06, 0800/0805 UTC

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 15-06, 0845/0850 UTC

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 15-06, 1305/1310 UTC

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 16-06, 0630/0635 UTC

0574 0574 0574 0574 0574
88888 88888 06794 37400 35994 50092 37824 05204 64956 70626
76662 59952 39260 14209 85923 92723 25510 16076 88012 43099
28663 42023 40332 43910 92647 60830 68314 89362 42858 27128
12262 65216 70175 57782 14362 75414 67703 88888 88888
00039 00039

14575 kHz, 16-06, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 000000 00000 00000 00000 00000

14940 kHz, 16-06, 0730/0735 UTC

0433 0433 0433 0433 0433
88888 88888 37712 30279 12978 32765 89476 85851 60750 79669
47646 41515 93579 22970 91121 26784 91886 48381 44477 55256
28660 77199 53278 76812 63032 83958 69644 25061 54656 77099
42508 67583 76735 61541 66050 56775 67025 94435 88888 88888
00040 00040

8423 kHz, 16-06, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 16-06, 1005/1010 UTC

0675 0675 0675 0675 0675
88888 88888 49278 51422 13414 92530 55336 47243 43630 71145
94532 73212 74954 12109 86728 60853 71370 80918 57481 12195
93109 14766 03964 69170 80073 35079 30003 60341 94351 94021
85992 54520 15695 39543 63872 19633 13666 37115 53682 08602
88888 88888
00042 00042

9576 kHz, 16-06, 1030/1035 UTC

0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9576 kHz, 17-06, 1030/1035 UTC

0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13537 kHz, 17-06, 0530/0535 UTC

0453 0453 0453 0453 0453
88888 88888 81602 18955 14303 40160 22752 35825 64234 95528
26967 21256 66821 71828 75030 44895 25757 59573 54016 10667
07460 54829 08480 12454 89075 94549 78337 15622 78920 21722
08393 91845 02497 42463 51105 37974 88888 88888
00038 00038

7837 kHz, 17-06, 1305/1310 UTC

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 18-06, 0630/0635 UTC

0574 0574 0574 0574 0574
88888 88888 06794 37400 35994 50092 37804 05204 64956 70626
76662 59952 39260 14209 85923 92723 25510 16076 88012 43099
28663 42023 40332 43910 92647 60830 68314 89362 42858 27128
12262 65216 70175 57782 14362 75414 67703 88888 88888
0039 00039

14940 kHz, 18-06, 0730/0735 UTC

0433 0433 0433 0433 0433
88888 88888 37712 30279 12978 32765 89476 85851 60750 79669
47646 41515 93579 22970 91121 26784 91886 48381 44477 55256
28660 77199 53278 76812 63032 83958 69644 25061 54656 77099
42508 67583 76735 61541 66050 56775 67025 94435 88888 88888
00040 00040

14575 kHz, 19-06, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 19-06, 0815/0820 UTC

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 19-06, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 19-06, 1005/1010 UTC

0675 0675 0675 0675 0675
88888 88888 49468 51422 13414 92530 55336 47243 43630 71145
94532 73212 74954 12109 86728 60853 71370 80918 57481 12195
93109 14766 03964 69170 80073 35079 30003 60341 94351 94021
85992 54520 15695 39543 63872 19633 13666 37115 53682 08602
88888 88888
00042 00042

14972 kHz, 19-06, 1405/1410 UTC

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 21-06, 1305/1310 UTC

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 21-06, 1405/1410 UTC

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 22-06, 0800/0805 UTC

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 22-06, 0815/0820 UTC

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 22-06, 0845/0850 UTC

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 22-06, 1000/1005 UTC

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 22-06, 1305/1310 UTC

0547 0547 0547 0547 0547

88888 88888 44137 21423 45889 93998 74172 03968 71261 48959

17019 31504 65472 35012 83767 82614 30080 73866 69520 39538

85785 23825 36161 75614 32082 64573 36451 15652 79045 85189

79186 20008 97280 93006 97659 06339 78993 88888 88888

00039 00039

14575 kHz, 23-06, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 0000

13537 kHz, 24-06, 0530/0535 UTC

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 24-06, 0845/0850 UTC

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 24-06, 1305/1310 UTC

0547 0547 0547 0547 0547

88888 88888 52137 21423 45889 93998 74172 03968 71261 48959

17019 31504 65472 35012 83767 82614 30080 73866 69520 39538

85785 23825 36161 75614 32082 64573 36451 15652 79045 85189

79186 20008 97280 93006 97659 06339 78993 88888 88888

00039 00039

14940 kHz, 25-06, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 25-06, 0800/0805 UTC

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 25-06, 1000/1005 UTC

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 25-06/28-06, 1305/1310 UTC

0437 0437 0437 0437 0437

88888 88888 06917 28938 48880 03085 18693 57960 36395 80887

03191 84463 85004 08173 66857 12271 51226 68192 56314 84911

59110 21111 64620 76335 10518 11730 21842 99519 86513 05286

80913 55942 88888 88888

00034 00034

13537 kHz, 26-06, 0530/0535 UTC

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 26-06, 0815/0820 UTC

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 0000000000 00000 00000 00000

12067 kHz, 26-06, 1005/1010 UTC

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 26-06, 0900/0905 UTC

0554 0554 0554 0554 0554

88888 88888 26158 99020 16017 81066 65967 14857 01248 95555

31380 13370 96978 69280 50253 44440 94406 75871 57569 94859

25481 29847 42731 59120 78482 89638 64305 79159 13366 79791

86478 46750 42539 88888 88888

00035 00035

14972 kHz, 28-06, 1405/1410 UTC

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 29-06, 0800/0805 UTC

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 29-06, 0815/0820 UTC

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 29-06, 0845/0850 UTC

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 29-06, 1000/1005 UTC

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 29-06, 1305/1310 UTC

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 30-06, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14940 kHz, 30-06, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 30-06, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12607 kHz, 30-06, 1005/1010 UTC

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000



North Korean diplomatic stations

14350 kHz, 18-06, 1235 UTC North Korean Diplo DPRK-ARQ 1200/1200 LSB



Egyptian diplomatic stations

Modes: SITOR-A 100/170 & Codan-9001

18034.7 kHz, 13-06, 0540 UTC
16221.8 kHz, 26-06, 1927 UTC

Egyptian Diplo clg unid embassy TVXY. SITOR-A 100/170
99910 Egyptian MFA, Cairo clg 66601 (Egyptian embassy Washington). Codan Chirp 80/2800

UTILITY ROUND-UP



Unid stations

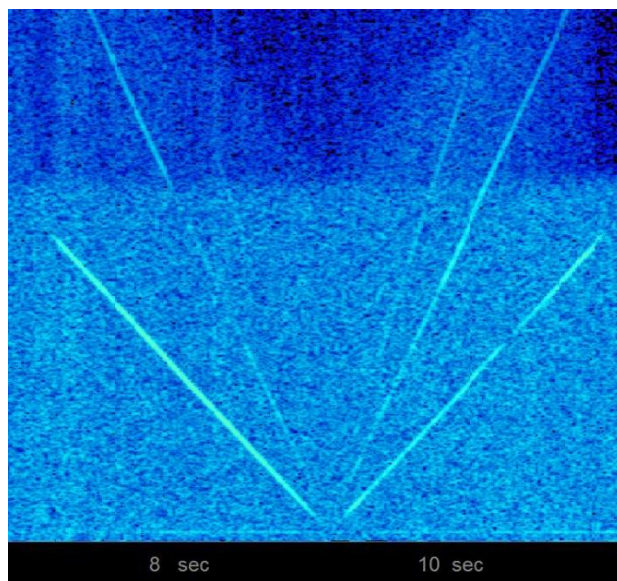
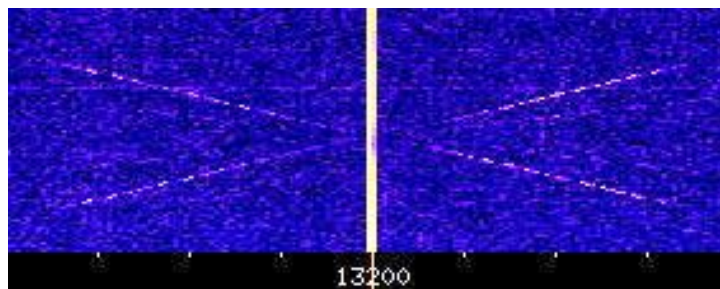
Nick Rumble copied the following unid. Any further info is most welcome.

6760 kHz, 02-06, 0220 UTC, CW, sending "761 761 761 333 333 333" repeatedly.

I have one log in my database that has the same sequence but I have no idea if it is related. It was copied by Igor.
6750 kHz, 10-4-2002, 1402 UTC, CW: Unid. 761 761 761 333 333 (repeated) = = 076 076 51 51 = = 5FGs

13200 kHz, 23-06, 1740 UTC: Odd sweeping sound centered at the carrier from an USAF station, but is not related. The signal has been heard on a number of frequencies in the past few years. Bearings point towards the Cyprus/Greece/Turkey area.

A recording can be found on the N&O website. Below and right two spectrograms.



RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by Wolfgang, Topol, JPL, Jay, and Danix



M32

Russian / CIS Military CW Stations

4359.5 kHz

2136 UTC	VVV [continued for 30 secs]
2250 UTC	TFIH DE 2IQN QTC 007 15 5 0149 007 = ZCA 485 = 5374 8278 7536 9370 1846 1068 9150 0742 1422 8005 5374 0511 485
2252 UTC	TFIH DE 2IQN QTC 007 15 5 0149 007 = ZCA 485 = 5374 8278 7536 9370 1846 1068 9150 0742 1422 8005 5374 0511 485
2257 UTC	TFIH DE 2IQN QTC 009 15 5 0152 009 = ZMI 485 = 0945 8866 3869 3178 6958 4452 7486 3701 0596 1660 0945 0511 485
2259 UTC	TFIH DE 2IQN QTC 009 15 5 0152 009 = ZMI 485 = 0945 8866 3869 3178 6958 4452 7486 3701 0596 1660 0945 0511 485

14411 kHz, 04-06

0920 UTC XXX XXX XB2M X2BM 02866 88603 BUNITA 7567 3285
 0923 UTC ...21 KONWEJER 7181 8661
 0944 UTC XXX XXX XB2M XB2M 68035 62698 WYPREWANIE 9569 0871
 0949 UTC XXX XXX RDL RDL 92957 61657 KISELINA 0267 6737
 1010 UTC XXX XXX RDL RDL 98619 21243 ALLAGIT 5146 2622
 1011 UTC XXX XXX RDL RDL 16057 77044 KAEMOOeNYJ 9301 1292
 1027 UTC XXX XXX 6S8F 6S8F 11170 KONTAL 8116 1067
 1054 UTC XXX XXX 2BYP 2BYP 81332 81019 TAeWKUChA 9732 8563
 1109 UTC XXX XXX 6S8F 6S8F 54544 77184 BIRVAWEC 0353 2928 ANTIFON 3127 8871 PODPOLXE 3945 9785
 1132 UTC XXX XXX 6S8F 6S8F 32669 77923 STOLOWYJ 5063 1479 CITOHRON 5066 1431 APPARATNYJ 1347 6805
 1140 UTC XXX XXX RDL RDL 93457 19596 MONTANXAeR 4941 2224
 1207 UTC XXX XXX RDL RDL 23781 91400 PODKALEPKA 0000 0000
 1212 UTC 20912 77908 TALLAPUSA 0000 0000
 1240 UTC UUU XXX XXX WEGI WEGI 36654 79799 SOLXWENT 4378 1227
 1423 UTC UUU XXX XXX WEGI WEGI 80384 82089 POLXWAR 9533 2663

14411 kHz, 16-06,

0920 UTC UUU XXX XXX WEGI WEGI 38933 05012 NONET 1407 1396
 0926 UTC UUU XXX XXX RGT77 RGT77 74911 15034 PODTEK 7172 7422
 0931 UTC XXX XXX WEGI WEGI 21146 74187 PODWYWIH 9480 4739 k
 1003 UTC UUU XXX XXX RGT77 RGT77 02882 39921 AKTOGRAF 7000 9895
 0930 UTC i.p. RPT AL AR RAA K after finishing a 5f-msg

7827 kHz, 29-06, 1345 UTC XXX XXX RGT77 RGT77 54654 GOLXE 7009 6741 K

18.1//14411//16112 kHz

29-06, 1349 UTC XXX XXX WEGI WEGI 02269 66694 WOSHODÄQIJ 3698 2629 K
 29-06, 1350 UTC XXX XXX RGT77 RGT77 85142 54654 GOLXE 7009 6741 K



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

8345 kHz, 04-06, RCJG : AO Ivan Bubnov

RCJG 73867 WITALIST 5714 1783 K

12464 kHz, 04-06, RCJG : AO Ivan Bubnov

RCJG 32059 KRIZALXBIN 7158 3905 K
 RCJG 56279 DENSIMETR 0748 9753 K
 RCJG 49063 BAZARNYO 4030 5922 K
 RCJG 41084 TESNOTA 2704 0713 K
 RCJG 60306 RAWELIN 1147 0858 K
 RCJG 34535 BLUZNIK 4581 9878 K
 RCJG 21517 BALTIMOREC 2233 3885 K
 RCJG 38403 DEMORUK 1870 2...2
 RCJG 14135 UMAZANNYJ 8444 5518 K
 RCJG 15870 ÖMINIT 2065 3520 K
 RCJG 24455 BOLIWARIT 0099 6881 K
 RCJG 47388 SELIN 4629 6567 K

The following logs from Topol were made on 4, 5 and 6 June.

8345 kHz

0016 UTC VVV RCV DE RCJG QSA? QTC
0017 UTC RCJG 715 18 5 0310 715 = SML FOR RJH45 RJH73 =
05001 99360 10272 22233
36.0N 27.2E heading SE @ 11-15 knots <http://binged.it/1GczB8g>
0146 UTC RCV DE RHM81 QSA3
0149 UTC RHM81 OK QYT4 QSA5 ??G2
0227 UTC VVV RCV DE RCJG QSA? QTC
0229 UTC RCJG 314 75 50 0525 314 = SML FOR RJT22 =
53494 02428 74416 65875 60458
25263 71046 78456 23023 45609
11818 99551 10253 57319 95147
62650 84507 73404 92435 76505
76283 43148 61785 73974 31308
48553 54634 22301 35277 44051
63882 77551 14422 57579 70393
19728 46133 23858 50005 16127
85425 03255 75050 02957 55857
73717 44739 60321 61021 42408
47055 41868 36182 61733 79022
49535 59457 24570 49769 30741
35902 55559 45623 14970 81093
05215 30720 51354 93951 75258
91155 07547 05072 = + RCJG
2213 UTC RCV DE RCJG QSA3
2220 UTC RCJG OK FM RJT22 QSA1 QDW 5357
2244 UTC RCV DE RCJG
2247 UTC RCJG QSU1 QSX 7203 QWH 6330
2256 UTC RCJG OK QSU1 6203 QWH 6249
2259 UTC RCJG OK QSU1 QSX 6293 QWH 6230

12464 kHz

1411 UTC VVV RCV DE RCJG QSA? QTC
1412 UTC RCJG ??? 12 5 1700 ??5 = SML FOR RJT22 [error]
1413 UTC RCJG RPT SML FOR RJT22 = 50103 37780 75338 05539 = + RCJG
2157 UTC RCV DE RHM81
2158 UTC RCV DE RHM81 QYT4 QSA?
2159 UTC RHM81 OK QYT4 QWH 10492
2202 UTC RCV DE RHM81 QYT4 QSA3
2207 UTC RHM81 OK QYT4 QLS
2216 UTC RCV DE RHM81 QYT4 QSX 13971
2229 UTC RCV DE RHM81 QYT4 QSX 9248
2240 UTC RCV DE RHM81 QYT4 QSX 12794
2332 UTC RCV DE RHM81 QYT4 QSA4
2334 UTC RCV DE RHM81 QYT4 QWH 10492
2342 UTC RHM81 OK QYT4 QSA4 QMG2

11000 kHz

0809 UTC RAA RK [error] RIW RK
0908 UTC RGR70 DE RIW
0909 UTC RIW QYT4 SK
0910 UTC RGR70 DE RIW QTC
0911 UTC RIW 391 39 5 1052 391 = FM RAA =
18601 01883 78896 95911 61676 75011 30812 07445 94117 00489
61369 75101 13764 88420 33222 31514 60137 16312 17610 21858
93700 73319 00004 73285 99170 34396 19773 57367 96312 53938
60655 75129 33276 35739 32815 03462 10151 05037 = RPT AL

8345 kHz, 16-06

0557 UTC RCV DE RHI99 QYT4 QSX 11836 K
 1907 UTC RCV DE RJC20 718 19 16 2200 718 = FOR RJE73 RJH45 = 16181 99357 10277 41998 02708 10280 40093 58013
 70200 80000 22272 00240 20101 331// 8800080000 16016 = + RJC20 K

12464 kHz

16-06, 0707 UTC RCV DE RJC20 923 19 16 1000 923 = FOR RJE73 RJH45 = 16061 99348 10295 41998 03204 10310 40106
 54000 70100 80000 22272 00240 20000 330// 88000 80000 16016 = + RJC20 K OK QRU K
 16-06, 1137 UTC RGZ58: Caesar Kunikov: RCV DE RGZ58 QSA? K
 29-06 RIW DE RDND OK QRR3 QDW 120.. K RIW DE RDND QSA? K OK QSU1 QSX 13086 QWH 12260 K
 RDND 142 29 1100 142 = FOR RAA = 12641 47564 65478
 29-06 RCV DE RMXZ QSA? QRR3 QDW? OK QRR3 QDW 13775 K - OK QRR3 QDW 11816 K
 29-06 RCV DE RHM81 QSA? K RCV DE RHM81 QTC K 339 3 29 1736 339 = GXZMW OÄYTP WOPPW K
 29-06, 0623 UTC RCJC: AO Ivan Bubnov. RCV DE RCJG QSA1 K OK QAP K
 29-06, 0626 UTC RMUW: tug Shakter. RCV DE RMUW QSA? K QSA2 OK QAP K
 29-06, 0705 UTC RCV DE RCIG QSA? K QSA3 K OK QAP K OK QSU1 QSX 6200 QWH 6230 K
 29-06, 1433 UTC ... DE RGV87 K QSA3 K QYT4 QWH 9523 QSX 8330 12370 FM RAA K QYT4 QSA3 K

16680 kHz, 29-06, RCV DE RJT22 QSA? K



M32b
Russian Naval Aviation
Aviatsiya Voenno-morskogo Flota Rossii

8816 kHz

16-06, 1322 UTC RJF94 RJC38 DE 08495 QTO 1311 QRD XUMO XLMV QRE 1620 QBD 14200 K
 QQL ULPE 1409 QBG 7000 K
 QQL ULWC 1511 QBG 7300 QRE XUMO 1610 K
 QQM XUMO 1625 SK
 16-06, 1735 UTC RJF94 RJC38 DE 08495 QTO 1727 QRD XRKE XUMO QRE 2020 QBD 14300 K
 QQL XRRM 1910 QRE XRKE 1955 K
 QQM XRKE 1949 SK
 29-06, 1205 UTC RJF94 RJC38 DE 26930 QTO 0920 QRD XLMV XLLV QBD 5000 QRE 1220 K
 QAY XLPB 1007 QBG 5500 QBD 3900 K
 QQL ULPE 1050 QBG 5500 QBD 3400 QRE XLMV 1205 K
 QQL XLWF 1130 QBG 6100 QBD 2800 K
 QQM XLMV



EMERGENCY ACTION MESSAGES & SKYKING MESSAGES

Frequencies: 4724, 6739, 8992, 11175, 13200, 15016 kHz.

07-06, 0608 UTC Offutt: 30 chr EAM: WSCMRL UOTCLHDL5GQJBCLTCGNHZS5
 26-06, 0646 UTC Andrews: 30 chr EAM: ED3GE7 PA4WQZHGDXNY2XCWNDEXL
 26-06, 0700 UTC Andrews: 30 chr EAM: EDPOHC C7LHH2M3I4HZFKVIWRV4KI3S + several other EAMs. Unreadable due to a 75Bd/850Hz Baudot signal coming from the same transmitter. The RTTY started when the EAMs started and stopped at the same time on all freqs: 4724, 6739, 8992, 11175, 13200, 15016 kHz.

LOGS SECTION

The logs are sorted on Code, Date and Time.

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
6760	---	2-6	0220	Tue	761 761 761 333 333 333 repeated	CW	(NR)
16083	---	30-6	1150	Tue	055 055 055 43874 43874 22222 22222 055 055 055 43114 43114 (see N&O 213)	CW	(Danix)
14350	DPRK	18-6	1235	Thu	North Korean Diplo	DPRK-ARQ 1200/1200 LSB	(AAI)
13985	E06	4-6	0500	Thu	328 569 104 48391	USB	(HFD)
13985	E06	4-6	0500	Thu	328 569 104 48391 40241 86712 ... 59618 50344 66836 569 104 00000	USB	(AB)
15830	E06	4-6	0600	Thu	328 569 104 48391 40241 86712 ... 59618 50344 66836 569 104 00000	USB	(HFD)
13985	E06	18-6	0500	Thu	328 569 104 48391 40241 86712 ...	USB	(AB)
15830	E06	18-6	0600	Thu	328 569 104 48391	USB	(HFD)
15830	E06	18-6	0600	Thu	328 569 104 48391 40241 86712 ... 59618 50344 66836 569 104 00000	USB	(AB)
15830	E06	19-6	0500	Fri	328 569 104 48391 40241 86712 ... 59618 50344 66836 569 104 00000	USB	(AB)
13985	E06	19-6	0600	Fri	328 569 104 48391 40241 86712 ... 59618 50344 66836 569 104 00000	USB	(AB)
5731	E06	19-6	2130	Fri	315 728 20 14259 22676 32782 ... 73311 98089 12250 728 20 00000	USB	(AB)
9064	E07	1-6	0600	Mon	724 1 645 101 10408 50583 94882 ... 99165 74930 79405 000 000	USB	(AB)
10264	E07	1-6	0620	Mon	724 1 645 101 10408 50583 94882 ... 99165 74930 79405 000 000	USB	(AB)
11464	E07	1-6	0640	Mon	724 1 645 101 10408 50583 94882 ... 99165 74930 79405 000 000	USB	(AB)
14842	E07	3-6	1700	Wed	841 841 841 000	AM	(AB/HFD)
13442	E07	3-6	1720	Wed	841 841 841 000	AM	(AB/HFD)
15824	E07	3-6	1900	Wed	865 865 865 000	AM	(AB/HFD)
14624	E07	3-6	1920	Wed	865 865 865 000	AM	(AB/GHn/HFD)
12213	E07	4-6	2010	Thu	273 0	AM	(HFD)
10714	E07	4-6	2030	Thu	273 273 273 000	AM	(AB/HFD)
9064	E07	6-6	0600	Sat	724 1 645 101 10408 50583 94882 ... 99165 74930 79405 000 000	USB	(AB)
10264	E07	6-6	0620	Sat	724 1 645 101 10408 50583 94882 ... 99165 74930 79405 000 000	USB	(AB)
11464	E07	6-6	0640	Sat	724 1 645 101 10408 50583 94882 ... 99165 74930 79405 000 000	USB	(AB)
14842	E07	7-6	1700	Sun	841 841 841 000	AM	(AB)
13442	E07	7-6	1720	Sun	841 841 841 000	AM	(AB)
9064	E07	8-6	0600	Mon	024 024 024 000	USB	(AB)
10264	E07	8-6	0620	Mon	024 024 024 000	USB	(AB)
15825	E07	8-6	1900	Mon	865 865 865 000	AM	(AB)
14625	E07	8-6	1920	Mon	865 865 865 000	AM	(AB)
14842	E07	10-6	1700	Wed	841 841 841 000	AM	(AB)
13442	E07	10-6	1720	Wed	841 841 841 000	AM	(AB)
12213	E07	11-6	2010	Thu	273 273 273 000	AM	(AB)
10714	E07	11-6	2030	Thu	273 273 273 000	AM	(AB)
9064	E07	13-6	0600	Sat	024 024 024 000	USB	(AB)
10264	E07	13-6	0620	Sat	024 024 024 000	USB	(AB)
13442	E07	14-6	1720	Sun	841 841 841 000	AM	(AB)
9064	E07	15-6	0600	Mon	024 024 024 00000	USB	(AB)
10264	E07	15-6	0620	Mon	024 024 024 00000	USB	(AB)
14842	E07	17-6	1700	Wed	841 841 841 000	AM	(GHn)
9064	E07	20-6	0600	Sat	024 024 024 000	AM	(AB)
10264	E07	20-6	0620	Sat	024 024 024 000	AM	(AB)
14842	E07	21-6	1700	Sun	241 241 241 000	AM	(MPJ)
13442	E07	21-6	1720	Sun	241 241 241 000	AM	(MPJ)
9064	E07	22-6	0600	Mon	024 024 024 000	USB	(AB)
10264	E07	22-6	0620	Mon	024 024 024 000	USB	(AB)
15824	E07	22-6	1900	Mon	865 865 865 000	AM	(GHn)
14624	E07	22-6	1920	Mon	865 865 865 000	AM	(AB)
14842	E07	24-6	1700	Wed	841 841 841 000	AM	(AB/MPJ)
13442	E07	24-6	1720	Wed	392 392 392 000	AM	(MPJ)
13442	E07	24-6	1720	Wed	841 841 841 000	AM	(AB)
15824	E07	24-6	1900	Wed	865 865 865 000	AM	(MPJ)
14624	E07	24-6	1920	Wed	865 865 865 000	AM	(MPJ)
10714	E07	25-6	2030	Thu	273 273 273 000	AM	(AB)
9064	E07	27-6	0600	Sat	024 024 024 000	USB	(AB)
10264	E07	27-6	0620	Sat	024 024 024 000	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrlb
9064	E07	29-6	0600	Mon	024 024 024 000	USB	(AB)
10264	E07	29-6	0620	Mon	024 024 024 000	USB	(AB)
12182	E07a	5-6	1510	Fri	101 0	USB	(HFD)
11082	E07a	5-6	1530	Fri	101 0	USB	(HFD)
13375	E07a	6-6	0800	Sat	338 338 338 000	USB	(AB)
14375	E07a	6-6	0820	Sat	338 338 338 000	USB	(AB)
12166	E07a	10-6	2000	Wed	172 172 172 000	USB	(AB)
12166	E07a	10-6	2000	Wed	172 0	USB	(HFD)
10766	E07a	10-6	2020	Wed	172 172 172 000	USB	(AB)
10766	E07a	10-6	2020	Wed	172 0	USB	(HFD)
7933	E07a	11-6	0430	Thu	912 912 912 000	USB	(AB)
9133	E07a	11-6	0450	Thu	912 912 912 000	USB	(AB)
12182	E07a	12-6	1510	Fri	101 101 101 000	USB	(AB)
13373	E07a	13-6	0800	Sat	338 338 338 000	USB	(AB)
10766	E07a	17-6	2020	Wed	172 1 68076 8198 69 01802 71771 13207 06838 ... 67913 01566 54334 000 000	USB	(AB)
9266	E07a	17-6	2040	Wed	172 1 68076 8198 69 01802 71771 13207 06838 ... 67913 01566 54334 000 000	USB	(AB)
7933	E07a	18-6	0430	Thu	912 1 68076 8198 69 01802	USB	(HFD)
7933	E07a	18-6	0430	Thu	912 1 68076 8198 69 01802 71771 13207 ... 67913 01566 54334 000 000	USB	(AB)
9133	E07a	18-6	0450	Thu	912 1 68076	USB	(HFD)
9133	E07a	18-6	0450	Thu	912 1 68076 8198 69 01802 71771 13207 ... 67913 01566 54334 000 000	USB	(AB)
10233	E07a	18-6	0510	Thu	912 1 68076	USB	(HFD)
12182	E07a	19-6	1510	Fri	101 1 30692 5146 79 96720 25642 64490 ... 79638 10785 12405 000 000	USB	(AB)
11082	E07a	19-6	1530	Fri	101 1 30692 5146 79 96720 25642 64490 ... 79638 10785 12405 000 000	USB	(AB)
10182	E07a	19-6	1550	Fri	101 1 30692 5146 79 96720 25642 64490 ... 79638 10785 12405 000 000	USB	(AB)
13373	E07a	20-6	0800	Sat	338 1 30692 5146 79 96720 25642 64490 ... 79638 10785 12405 000 000	USB	(AB)
13373	E07a	20-6	0800	Sat	338 1 30692 5146 76 96720	USB	(HFD)
14373	E07a	20-6	0820	Sat	338 1 30692	USB	(HFD)
14373	E07a	20-6	0820	Sat	338 1 30692 5146 79 96720 25642 64490 ... 79638 10785 12405 000 000	USB	(AB)
14873	E07a	20-6	0840	Sat	338 1 30692	USB	(HFD)
14873	E07a	20-6	0840	Sat	338 1 30692 5146 79 96720 25642 64490 ... 79638 10785 12405 000 000	USB	(AB)
12166	E07a	24-6	2000	Wed	172 172 172 000	USB	(MPJ)
9133	E07a	25-6	0400	Thu	912 912 912 000	USB	(AB)
7933	E07a	25-6	0430	Thu	912 912 912 000	USB	(AB)
12182	E07a	26-6	1510	Fri	101 101 101 000	USB	(AB)
11082	E07a	26-6	1530	Fri	101 101 101 000	USB	(AB)
13373	E07a	27-6	0800	Sat	338 338 338 000	USB	(AB)
14373	E07a	27-6	0820	Sat	338 338 338 000	USB	(AB)
9610	E11	1-6	0745	Mon	262/00	USB	(AB)
9150	E11	1-6	0820	Mon	438/00	USB	(AB)
12924	E11	1-6	0830	Mon	640/35 Attention 42473 84873 ... 85418 21538 68316 Attention, rpt msg, out	USB	(AB)
13427	E11	1-6	0900	Mon	534/00	USB	(AB)
13424	E11	2-6	0645	Tue	517/00	USB	(AB)
13424	E11	3-6	0545	Wed	348/00	USB	(AB)
9610	E11	3-6	1045	Wed	469/00	USB	(AB)
8565	E11	4-6	0315	Thu	253/00	USB	(HFD)
8565	E11	4-6	0315	Thu	235/00	USB	(AB)
13424	E11	4-6	0645	Thu	517/00	USB	(AB)
15632	E11	4-6	0745	Thu	335/00	USB	(AB)
13424	E11	5-6	0545	Fri	348/00	USB	(AB)
13537	E11	5-6	1225	Fri	521/00	USB	(AB)
8530	E11	5-6	2000	Fri	576/00	USB	(AB)
14865	E11	6-6	1705	Sat	392/00	USB	(AB)
9610	E11	8-6	0745	Mon	262/00	USB	(AB)
12924	E11	8-6	0830	Mon	649/00	USB	(AB)
13424	E11	9-6	0645	Tue	517/00	USB	(AB)
14753	E11	9-6	0710	Tue	633/00	USB	(AB)
15803	E11	9-6	1300	Tue	133/00	USB	(AB)
13424	E11	10-6	0545	Wed	348/00	USB	(AB)
14975	E11	10-6	0810	Wed	311/00	USB	(AB)
10230	E11	10-6	0930	Wed	270/00	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
15803	E11	10-6	1300	Wed	133/00	USB	(AB)
14865	E11	10-6	1705	Wed	399/33 Attention 76077 75359 07173 ... 08647 99591 62394 Attention, rpt msg, out	USB	(AB)
8565	E11	11-6	0315	Thu	253/00	USB	(AB)
13424	E11	11-6	0645	Thu	517/00	USB	(AB)
15632	E11	11-6	0745	Thu	335/00	USB	(AB)
13424	E11	12-6	0545	Fri	348/00	USB	(AB)
14753	E11	12-6	0710	Fri	633/00	USB	(AB)
12924	E11	12-6	0830	Fri	649/00	USB	(AB)
13537	E11	12-6	1225	Fri	521/00	USB	(AB)
10487	E11	12-6	1710	Fri	951/25 Attention 58561 06545 42524 ... 07389 60868 27486 Attention, rpt msg, out	USB	(AB)
14769	E11	13-6	0530	Sat	980/10 Attention 22623 36142 97731 21315 85966 53213 49111 73137 25566 69632 Attention, rpt msg, out	USB	(AB)
9130	E11	13-6	2005	Sat	363/00	USB	(MPJ)
15795	E11	14-6	1625	Sun	978/00	USB	(HFD)
9610	E11	15-6	0745	Mon	262/00	USB	(AB)
13427	E11	15-6	0900	Mon	534/00	USB	(AB)
14753	E11	16-6	0710	Tue	633/00	USB	(AB)
9610	E11	16-6	1045	Tue	469/00	USB	(AB)
15803	E11	16-6	1300	Tue	133/00	USB	(AB)
9610	E11	17-6	1045	Wed	469/00	USB	(AB)
14865	E11	17-6	1705	Wed	392/00	USB	(GHn)
9150	E11	18-6	0820	Thu	438/00	USB	(AB)
10356	E11	18-6	1530	Thu	262/00	USB	(AB)
14753	E11	19-6	0710	Fri	633/00	USB	(AB)
12924	E11	19-6	0830	Fri	649/00	USB	(AB)
8530	E11	19-6	2000	Fri	576/00	USB	(AB)
14753	E11	20-6	0710	Sat	633/00	USB	(AB)
15632	E11	20-6	0745	Sat	335/00	USB	(AB)
16335	E11	21-6	1540	Sun	228/00	USB	(MPJ)
9130	E11	21-6	2005	Sun	363/00	USB	(MPJ)
10800	E11	22-6	0450	Mon	461/00	USB	(AB)
9150	E11	22-6	0820	Mon	438/00	USB	(AB)
16335	E11	22-6	1540	Mon	228/00	USB	(GHn)
13873	E11	23-6	1045	Tue	576/00	USB	(AB)
15803	E11	23-6	1300	Tue	133/00	USB	(AB)
13424	E11	24-6	0545	Wed	348/00	USB	(AB)
14975	E11	24-6	0805	Wed	311/00	USB	(AB)
13427	E11	24-6	0900	Wed	534/00	USB	(AB)
13424	E11	25-6	0645	Thu	517/00	USB	(AB)
15632	E11	25-6	0745	Thu	335/00	USB	(AB)
10213	E11	25-6	0930	Thu	270/00	USB	(AB)
8088	E11	25-6	1730	Thu	416/00	USB	(AB)
13424	E11	26-6	0545	Fri	348/00	USB	(AB)
12924	E11	26-6	0830	Fri	649/00	USB	(AB)
8530	E11	26-6	2000	Fri	576/00	USB	(AB/MPJ)
14865	E11	27-6	1705	Sat	392/00	USB	(AB)
17120	E11	28-6	0730	Sun	352/00	USB	(AB)
14975	E11	28-6	0805	Sun	311/00	USB	(AB)
9610	E11	29-6	0745	Mon	262/00	USB	(AB)
9150	E11	29-6	0820	Mon	438/00	USB	(AB)
12924	E11	29-6	0830	Mon	649/00	USB	(AB)
13424	E11	30-6	0645	Tue	517/00	USB	(AB)
15803	E11	30-6	1300	Tue	133/00	USB	(MPJ)
14753	E11a	2-6	0710	Tue	637/36 Attention 15038 01858 79302 ... 60407 34768 17214 Attention, rpt msg, out	USB	(AB)
9610	E11a	2-6	1045	Tue	469/00	USB	(AB)
15803	E11a	2-6	1300	Tue	136/34 06293	USB	(HFD)
15803	E11a	2-6	1300	Tue	136/34 Attention 06293 39950 55433 ... 11812 00265 55083 90287 Attention, rpt msg, out	USB	(AB)
13722	E11a	2-6	1400	Tue	981/10 Attention 66707 91873 27057 22185 40701 09487 61530 40333 98838 76841 Attention, rpt msg, out	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14518	E11a	2-6	2010	Tue	982/10 Attention 06358 31972 40257 02038 22933 88570 65320 92446 32905 88717 Attention, rpt msg, out	USB	(AB)
10213	E11a	3-6	0930	Wed	278/36 Attention 15116 59513 77044 ... 75749 40281 22228 Attention, rpt msg, out	USB	(AB)
15803	E11a	3-6	1300	Wed	136/34 Attention 06293 39950 55433 ... 00265 55083 90287 Attention, rpt msg, out	USB	(AB)
14753	E11a	5-6	0710	Fri	637/36 Attention 15038 01858 79302 ... 60407 34768 17214 Attention, rpt msg, out	USB	(AB)
16388	E11a	5-6	1110	Fri	952/35 Attention 52549 93545 25586 ... 33526 23137 21726 Attention, rpt msg, out	USB	(AB)
10487	E11a	5-6	1710	Fri	951/25 Attention 28370 06868 83200 ... 03758 66533 59820 Attention, rpt msg, out	USB	(GHn)
13722	E11a	6-6	1400	Sat	981/10 Attention 92304 19731 08046 60115 19681 41653 81639 80527 78137 65108 Attention, rpt msg, out	USB	(AB/MPJ)
9150	E11a	8-6	0820	Mon	438/30 Attention 00361 10320 48915 ... 76672 92134 25955 Attention, rpt msg, out	USB	(AB)
13427	E11a	8-6	0900	Mon	533/36 Attention 75906 40096 47099 ... 58029 61345 75445 Attention, rpt msg, out	USB	(AB)
16388	E11a	8-6	1110	Mon	953/25 Attention 13169 83062 38292 ... 29014 72231 09781 Attention, rpt msg, out	USB	(AB)
10487	E11a	8-6	1710	Mon	950/37 Attention 76168 51387 95611 ... 50404 82903 87074 Attention, rpt msg, out	USB	(GHn)
14769	E11a	9-6	0530	Tue	980/10 Attention 12788 99912 84249 87299 16561 71624 42007 46434 03951 40110 Attention, rpt msg, out	USB	(AB)
9610	E11a	9-6	1045	Tue	466/34 Attention 28404 59181 50090 ... 44056 10033 81431	USB	(MPJ)
14518	E11a	9-6	1810	Tue	982/10 Attention 08____ 58551 49588 4065_ ... 17935 46161	USB	(MPJ)
13427	E11a	10-6	0900	Wed	533/36 Attention 75906 40096 47099 ... 58029 61345 75445 Attention, rpt msg, out	USB	(AB)
9610	E11a	10-6	1045	Wed	466/34 Attention 28404 59181 50090 ... 44056 10033 81431 Attention, rpt msg, out	USB	(AB)
9150	E11a	11-6	0745	Thu	438/30 Attention 00361 10320 48915 ... 76672 92134 25955 Attention, rpt msg, out	USB	(AB)
16388	E11a	12-6	1110	Fri	952/35 Attention ...	USB	(AB)
13722	E11a	13-6	1400	Sat	981/10 Attention 95013 04862 28157 50230 98213 51210 74179 37106 26863 59944 Attention, rpt msg, out	USB	(AB/MPJ)
14865	E11a	13-6	1705	Sat	399/33 Attention 76077 75359 07173 ... 08647 99591 62394 Attention, rpt msg, out	USB	(AB/MPJ)
14518	E11a	13-6	1810	Sat	982/10 Attention 85365 99592 05297 12981 20471 15611 87146 42262 60770 90514 Attention, rpt msg, out	USB	(AB/MPJ/JNC)
14769	E11a	16-6	0530	Tue	982/10 Attention 30910 85095 91539 69211 43891 31906 92816 08243 51686 06260 Attention, rpt msg, out	USB	(AB)
13424	E11a	16-6	0645	Tue	511/35 Attention 06794 37400 ... 14362 75414 67703 Attention, rpt msg, out	USB	(AB)
15632	E11a	16-6	0745	Tue	333/36 Attention 37712 30279 12978 ... 56775 67025 94435 Attention, rpt msg, out	USB	(AB)
13722	E11a	16-6	1400	Tue	981/10 Attention 74526 06527 31920 16329 92945 36932 99102 34358 31759 44657 Attention, rpt msg, out	USB	(AB/MPJ)
14518	E11a	16-6	1810	Tue	980/10 Attention 89571 44767 31278 57472 33873 64269 36058 18240 46688 74092 Attention, rpt msg, out	USB	(AB/MPJ)
13424	E11a	17-6	0545	Wed	343/34 Attention 81602 18955 14303 ... 42463 51105 37974 Attention, rpt msg, out	USB	(AB)
13424	E11a	18-6	0645	Thu	511/35 Attention 06794 37400 35994 ... 14362 75414 67703 Attention, rpt msg, out	USB	(AB)
15632	E11a	18-6	0745	Thu	333/36 Attention 37712 30279 12978 ... 56775 67025 94435 Attention, rpt msg, out	USB	(AB)
13424	E11a	19-6	0545	Fri	343/34 Attention 81602 18955 14303 ... 42463 51105 37974 Attention, rpt msg, out	USB	(AB)
16388	E11a	19-6	1110	Fri	952/31 Attention 57229 77421 12677 ... 34404 11904 16458 Attention, rpt msg, out	USB	(AB)
13537	E11a	19-6	1225	Fri	524/35 Attention 89468 80506 29008 ... 16454 42255 71637 Attention, rpt msg, out	USB	(AB)
10487	E11a	19-6	1715	Fri	i.p.	USB	(AB)
13722	E11a	20-6	1400	Sat	982/10 Attention 39851 05805 16282 62380 25716 43101 55499 24660 37866 20265 Attention, rpt msg, out	USB	(AB)
14518	E11a	20-6	1810	Sat	983/10 Attention 67158 54200 52713 26276 97141 39534 83904 34543 67528 45600 Attention, rpt mag, out	USB	(AB)
14975	E11a	21-6	0805	Sun	312/36 Attention 20509 45167 31037 ... 23608 93142 19126 Attention, rpt msg, out	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
9610	E11a	22-6	0745	Mon	264/32 Attention 78367 17746 48332 ... 32201 46494 71422 Attention, rpt msg, out	USB	(AB)
16388	E11a	22-6	1110	Mon	950/31 Attention 08962 57044 03010 ... 61265 15708 28865 Attention, rpt msg, out	USB	(AB)
10487	E11a	22-6	1710	Mon	951/21 Attention 46050 13966 69769 ... 40208 41908 90557 Attention, rpt msg, out	USB	(AB)
8565	E11a	24-6	0315	Wed	250/37 Attention 53782 17762 09233 ... 25027 12716 36328 Attention, rpt msg, out	USB	(AB)
16388	E11a	26-6	1110	Fri	950/31 Attention 98384 17550 88609 ... 58555 41898 82000 13274 Attention, rpt msg, out	USB	(AB)
10487	E11a	26-6	1710	Fri	951/21 Attention 47133 89245 02717 73658 98716 ... 58253 75474 98727 12602 42094 Attention, rpt msg, out	USB	(MPJ)
14769	E11a	27-6	0530	Sat	983/10 Attention 89001 86410 16201 45227 23305 52526 38402 14393 23544 61133 Attention, rpt msg, out	USB	(AB)
14518	E11a	27-6	1810	Sat	985/10 Attention 13353 28839 48465 91370 25065 60151 09616 42744 52006 18594 Attention, repeat msg, out	USB	(AB)
9130	E11a	28-6	2005	Sun	367/31 Attention 73107 46686 95652 ... 54027 59946 43701 Attention, rpt msg, out	USB	(AB)
14769	E11a	30-6	0530	Tue	980/10 Attention 43285 19247 47231 86828 76545 70785 77514 54494 43176 51408 Attention, rpt msg, out	USB	(AB)
14517	E11a	30-6	1810	Tue	982/10 Attention 02251 93109 95948 20662 22296 75407 74647 43277 28138 58005 Attention, rpt msg, out	USB	(MPJ)
16780	E17z	4-6	0800	Thu	674 259 8 52401 63919 92699 14600 74248 48754 65125 41879 259 8 00000	USB	(AB)
12850	E17z	11-6	0810	Thu	674 259 8 52401 63919 92699 14600 74248 48754 65125 41879 259 8 00000	USB	(AB)
16780	E17z	18-6	0800	Thu	674 982 5 80744 86200 87706 42227 61735 982 5 00000	USB	(AB)
12850	E17z	18-6	0810	Thu	674 982 5 80744 86200 87706 42227 61735 982 5 00000	USB	(AB)
16780	E17z	25-6	0800	Thu	674 982 5 80744 86200 87706 42227 61735 982 5 00000	USB	(AB)
12850	E17z	25-6	0810	Thu	674 982 5 80744 86200 87706 42227 61735 982 5 00000	USB	(AB)
18034.7	EGY	13-6	0540	Sat	Egyptian Diplo clg unid embassy TVXY	SITOR-A 100/170	(AAI)
16221.8	EGY	26-6	1927	Fri	99910 Egyptian MFA, Cairo clg 66601 (Egyptian embassy Washington)	Codan Chirp 80/2800	(AAI)
7320	G06	1-6	0800	Mon	329 329 329 00000	USB	(AB)
4892	G06	8-6	1800	Mon	248 0	USB	(HFD)
7411	G06	10-6	1300	Wed	248 0	USB	(HFD)
6887	G06	11-6	1830	Thu	842 317 20 37830 35787 98273 ... 60491 75924 04594 317 20 000000	USB	(AB/MPJ)
5943	G06	12-6	1930	Fri	218 394 20 06130 75514 79681 ... 49870 63962 04884 394 20 000000	USB	(AB)
5943	G06	26-6	1930	Fri	Starts at 1929 UTC with several times 218. Stops after 1,5 mins. Carrier off at 1950 UTC	USB	(AB)
5943	G06	26-6	1930	Fri	218 tx break	USB	(HFD)
11435	HM01	1-6	1605	Mon	30583 37164 32556 09503 30021 57589	AM/RDFT	(DSch)
11635	HM01	1-6	2106	Mon	30583 37164 32556 09503 30021 57589	AM/RDFT	(DSch)
10715	HM01	1-6	2221	Mon	30583 37164 32556 09503 30021 57589	AM/RDFT	(DSch)
11635	HM01	2-6	1816	Tue	30584 37165 32557 09504 30021 02721	AM/RDFT	(DSch)
16180	HM01	2-6	2057	Tue	30584 37165 32557 09504 30021 02721	AM/RDFT	(DSch)
17480	HM01	2-6	2200	Tue	30584 37165 32557 09504 30021 02721	AM/RDFT	(Dan)
17480	HM01	2-6	2221	Tue	30584 37165 32557 09504 30021 02721	AM/RDFT	(DSch)
8135	HM01	2-6	2305	Tue	Mixing with M08a	AM/RDFT	(DSch)
11435	HM01	3-6	1628	Wed	30585 37166 78401 09505 30022 02721	AM/RDFT	(DSch)
11635	HM01	3-6	2059	Wed	30585 37166 78401 09505 30022 02721	AM/RDFT	(DSch)
10715	HM01	3-6	2200	Wed	30585 37166 78401 09505 30022 02721	AM/RDFT	(DSch)
8009	HM01	3-6	2259	Wed	Mixing with M08a	AM/RDFT	(DSch)
11435	HM01	4-6	1559	Thu	30586 37167 78401 09506 30023 02722	AM/RDFT	(DSch)
11635	HM01	4-6	1808	Thu	30586 37167 78401 09506 30023 02722	AM/RDFT	(DSch)
17480	HM01	4-6	2159	Thu	30586 37167 78401 09506 30023 02722	AM/RDFT	(DSch)
17480	HM01	4-6	2230	Thu	30586 37167 78401 09506 30023 02726	AM/RDFT	(Dan)
8135	HM01	4-6	2303	Thu	30586 37167 78401 09506 30023 02722. Should be M08a. Distorted signal	AM/RDFT	(DSch)
5855	HM01	5-6	0459	Fri	30586 37167 78401 09506 30023 02722	AM/RDFT	(AB)
10345	HM01	5-6	0559	Fri	30586 37167 78401 09506 30023 02722	AM/RDFT	(AB)
11435	HM01	5-6	1600	Fri	30587 37168 78402 09507 30024 02723	AM/RDFT	(DSch)
11635	HM01	5-6	1804	Fri	30587 37168 78402 09507 30024 02723	AM/RDFT	(DSch)
11635	HM01	5-6	2101	Fri	30587 37168 78402 09507 30024 02723	AM/RDFT	(BW3/DSch)
10715	HM01	5-6	2201	Fri	30587 37168 78402 09507 30024 02723	AM/RDFT	(DSch)
8135	HM01	5-6	2300	Fri	Should be M08a. Instead is HM01 with groups from May 31st.	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
13435	HM01	6-6	0659	Sat	30587 37168 78403 09507 30024 02723. Decoded RDFT: 38383716.txt 36023058.txt 76420272.txt 50217840.txt 71463002.txt 30670950.txt	AM/RDFT	(AB)
11635	HM01	6-6	0759	Sat	30587 37168 78403 09507 30024 02723	AM/RDFT	(AB)
11435	HM01	6-6	1559	Sat	57771 42331 78403 09508 30025 02724	AM/RDFT	(DSch)
16180	HM01	6-6	2057	Sat	57771 42331 78403 09508 30025 02724	AM/RDFT	(DSch)
16180	HM01	6-6	2059	Sat	57771 42331 78403 09508 30025 02724	AM/RDFT	(AB)
17480	HM01	6-6	2200	Sat	57771 42331 78403 09508 30025 02724	AM/RDFT	(DSch)
9330	HM01	7-6	0659	Sun	57771 42331 78403 09508 30025 02724	AM/RDFT	(AB)
9065	HM01	7-6	0759	Sun	57771 42331 78403 09508 30025 02724	AM/RDFT	(AB)
11435	HM01	7-6	1600	Sun	57771 42331 78404 26171 30026 02725	AM/RDFT	(DSch)
11635	HM01	7-6	1804	Sun	57771 42331 78404 26171 30026 02725	AM/RDFT	(DSch)
11635	HM01	7-6	2101	Sun	57771 42331 78404 26171 30026 02725	AM/RDFT	(DSch)
10715	HM01	7-6	2200	Sun	57771 42331 78404 26171 30026 02725	AM/RDFT	(DSch)
9330	HM01	8-6	0659	Mon	57771 42331 78404 26171 30026 02725	AM/RDFT	(AB)
9065	HM01	8-6	0759	Mon	57771 42331 78404 26171 30026 02725	AM/RDFT	(AB)
11530	HM01	8-6	1704	Mon	57772 42332 78405 26171 30027 02726	AM/RDFT	(DSch)
11635	HM01	8-6	2059	Mon	57772 42332 78405 26171 30027 02726	AM/RDFT	(DSch)
10715	HM01	8-6	2154	Mon	57772 42332 78405 26171 30027 02726	AM/RDFT	(DSch)
11462	HM01	9-6	0529	Tue	57772 42332 78405 26071 30027 02726	AM/RDFT	(AB)
14375	HM01	9-6	0559	Tue	57772 42332 78405 26071 30027 02726	AM/RDFT	(AB)
13435	HM01	9-6	0659	Tue	57772 42332 78405 26071 30027 02726	AM/RDFT	(AB)
11435	HM01	9-6	1559	Tue	57773 42333 78406 26172 55821 02727	AM/RDFT	(DSch)
11635	HM01	9-6	1811	Tue	57773 42333 78406 26172 55821 02727	AM/RDFT	(DSch)
17480	HM01	9-6	2159	Tue	57773 42333 78406 26172 55821 02727	AM/RDFT	(DSch)
11435	HM01	10-6	1557	Wed	57774 42334 78407 26173 55821 02728	AM/RDFT	(DSch)
11635	HM01	10-6	2101	Wed	57774 42334 78407 26173 55821 02728	AM/RDFT	(DSch)
10715	HM01	10-6	2157	Wed	57774 42334 78407 26173 55821 02728	AM/RDFT	(DSch)
10715	HM01	10-6	2200	Wed	57774 42334 75407 26173 55821 02728	AM/RDFT	(Dan)
8009	HM01	10-6	2300	Wed	Unscheduled HM01: 57774 42334 78407 26173 55821 02728 mixing with M08a	AM/RDFT	(DSch)
11462	HM01	11-6	0500	Thu	57774 42334 78407 26173 55821 02728.	AM/RDFT	(AB)
11462	HM01	11-6	0557	Thu	57774 42334 78407 26173 55821 02728. Starts new transmission. Should be on 14375 kHz. Stops at 0602zand switches to 14375 kHz.	AM/RDFT	(AB)
14375	HM01	11-6	0602	Thu	57774 42334 78407 26173 55821 02728. Decoded RDFT: 143325777.TXT 46824233.TXT 50217840.TXT 82882617.TXT 80715582.TXT 76420272.TXT	AM/RDFT	(AB)
13435	HM01	11-6	0657	Thu	57774 42334 78407 26173 55821 02728. Early start	AM/RDFT	(AB)
11635	HM01	11-6	0757	Thu	57774 42334 78407 26173 55821 02728. Early start	AM/RDFT	(AB)
16180	HM01	11-6	2059	Thu	57775 42335 81061 26174 55822 15461	AM/RDFT	(DSch)
17480	HM01	11-6	2204	Thu	57775 42335 81061 26174 55822 15461	AM/RDFT	(DSch)
5855	HM01	12-6	0533	Fri	57775 42335 81061 26174 55822 05461	AM/RDFT	(AB)
10345	HM01	12-6	0558	Fri	57775 42335 81061 26174 55822 05461	AM/RDFT	(AB)
11435	HM01	12-6	1559	Fri	57776 42336 81061 26175 55823 15461	AM/RDFT	(DSch)
11462	HM01	13-6	0510	Sat	i.p. 57776 42336 81061 26175 55823 05461	AM/RDFT	(AB)
14375	HM01	13-6	0559	Sat	57776 42336 81061 26175 55823 05461	AM/RDFT	(AB)
13435	HM01	13-6	0659	Sat	57776 42336 81061 26175 55823 05461	AM/RDFT	(AB)
11635	HM01	13-6	0759	Sat	57776 42336 81061 26175 55823 05461	AM/RDFT	(AB)
11462	HM01	13-6	0859	Sat	57776 42336 81061 26175 55823 05461	AM/RDFT	(AB)
11435	HM01	13-6	1558	Sat	57777 42337 81062 26176 55824 15462	AM/RDFT	(DSch)
11530	HM01	13-6	1723	Sat	57777 42337 81062 26176 55824 15462	AM/RDFT	(DSch)
11635	HM01	13-6	1755	Sat	57777 42337 81062 26176 55824 15462	AM/RDFT	(DSch)
16180	HM01	13-6	2130	Sat	57777 42337 81062 26176 55824 15462	AM/RDFT	(Dan)
16180	HM01	13-6	2141	Sat	57777 42337 81062 26176 55824 15462	AM/RDFT	(DSch)
11435	HM01	14-6	1559	Sun	57778 38771 81063 26177 55825 15463	AM/RDFT	(DSch)
11635	HM01	14-6	2105	Sun	57778 38771 81063 26177 55825 15463	AM/RDFT	(DSch)
10715	HM01	14-6	2208	Sun	57778 38771 81063 26177 55825 15463	AM/RDFT	(DSch)
11435	HM01	15-6	1628	Mon	56121 38771 81064 76871 55826 15464	AM/RDFT	(DSch)
11435	HM01	16-6	1559	Tue	56121 38772 81065 76871 55827 15465	AM/RDFT	(DSch)
16180	HM01	16-6	2100	Tue	56121 38772 81065 76871 55827 15465	AM/RDFT	(Dan)
11530	HM01	17-6	1735	Wed	56122 38773 81066 76872 55828 15466	AM/RDFT	(DSch)
11635	HM01	17-6	1758	Wed	56123 38774 81067 76873 55829 15467	AM/RDFT	(DSch)
11635	HM01	17-6	2100	Wed	56122 38773 81066 76872 55828 15466	AM/RDFT	(DSch)
13435	HM01	18-6	0659	Thu	56122 38773 81066 76872 55828 15466	AM/RDFT	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
17480	HM01	18-6	2200	Thu	56123 38774 81067 76873 55829 15467	AM/RDFT	(Dan)
5855	HM01	19-6	0500	Fri	56123 38774 81067 76873 55829 15467	AM/RDFT	(AB)
9065	HM01	19-6	0759	Fri	56123 38774 81067 76873 55829 15467	AM/RDFT	(AB)
9240	HM01	19-6	0859	Fri	56123 38774 81067 76873 55829 15467	AM/RDFT	(AB)
11635	HM01	19-6	1759	Fri	56124 38775 81068 76874 73561 15468	AM/RDFT	(DSch)
10715	HM01	19-6	2200	Fri	56124 38877 81068 76874 73561 15468	AM/RDFT	(Dan)
16180	HM01	25-6	2130	Thu	44331 04431 27034 82602 73566 04365	AM/RDFT	(Dan)
11435	HM01	26-6	1559	Fri	44332 04432 27035 82603 73567 04366	AM/RDFT	(MPJ)
10715	HM01	26-6	2100	Fri	44332 04432 27035 82603 73567 04366	AM/RDFT	(Dan)
14375	HM01	27-6	0532	Sat	44332 04432 27035 82603 73567 04366	AM/RDFT	(AB)
14375	HM01	27-6	0559	Sat	44332 04432 27035 82603 73567 04366	AM/RDFT	(AB)
13435	HM01	27-6	0704	Sat	44332 04432 27035 82603 73567 04366. Late start	AM/RDFT	(AB)
11435	HM01	27-6	1614	Sat	44333 04433 27036 82604 28161 04367	AM/RDFT	(DSch)
17480	HM01	27-6	2200	Sat	44333 04433 27036 82604 28161 04367	AM/RDFT	(Dan)
11435	HM01	28-6	1559	Sun	44334 04434 27037 82605 28161 82651	AM/RDFT	(DSch)
10715	HM01	28-6	2230	Sun	44334 04434 27037 82605 28161 82651	AM/RDFT	(Dan)
9330	HM01	29-6	0605	Mon	i.p. 44334 04434 27037 82605 28161 82651	AM/RDFT	(AB)
9065	HM01	29-6	0656	Mon	44334 04434 27037 82605 28161 82651. Early start	AM/RDFT	(AB)
11435	HM01	29-6	1609	Mon	44335 04435 27038 82606 28162 82561	AM/RDFT	(DSch)
11530	HM01	30-6	1657	Tue	44336 04436 45851 82607 28163 82652	AM/RDFT	(DSch)
4905	M01	4-6	2001	Thu	025 681 30 = = 72624 69461 53157 11604 53577 ...	CW	(MPJ)
6780	M01	7-6	0700	Sun	025 325 325 30 30 = = 14329 14329 06514 06514 15535 15535 ... 72063 72063 58274 58274 27064 27064 = 325 325 30 30 000	CW	(AB)
4905	M01	9-6	2000	Tue	025 712 30 = = 42107 03977 85760 66003 37417 ... 44874 52414 95690 57096 03162 = = 712 30 000	CW	(MPJ)
4905	M01	11-6	2000	Thu	025 607 30 = = 46597 27518 83625 89622 29769 ... 97530 80682 22294 72163 83160 = = 607 30 000	CW	(MPJ)
4905	M01	16-6	2000	Tue	025 403 30 = = 34428 83241 21255 17747 63820 ... 29572 80600 57505 85243/85234 52743 = = 403 403 30 000	CW	(MPJ)
4905	M01	18-6	2000	Thu	025 255 30 = = 95831 94831 45333 45333 7104 75004 26279 7215 772157 278V27 ... 05559 32197 42917 60990 05023 = = 255 30 000	CW	(AB)
6780	M01	21-6	0702	Sun	025 636 030 = = 5943 5943 54137 54137 88TT4 88TT4 ... very weak	CW	(AB)
4905	M01	30-6	2000	Tue	0925 0925 025 025 156 156 30 30 = = 52851 83558 41580 41346 13332 ... 34559 26017 64929 53056 784972 (as sent) 74972 = = 156 156 30 30 000	CW	(MPJ)
5150	M01b	1-6	1915	Mon	858 159 38 = = 65727 36522 31847 59259 25310 ... 13387 32196 62002 12569 73149 = = 159 38 000 //5475 kHz	MCW	(MPJ)
5475	M01b	1-6	1915	Mon	858 159 38 = = 65727 36522 31847 59259 25310 ... 13387 32196 62002 12569 73149 = = 159 38 000 //5150 kHz	MCW	(MPJ)
5095	M01b	4-6	1832	Thu	815 373 31 = = 47818 39860 79304 ... Faded. ... _1833 21843 12464 02753 31189 = = 373 31 000 //5760 kHz	MCW	(MPJ)
5760	M01b	4-6	1832	Thu	815 373 31 = = 47818 39860 79304 ... Faded. ... _1833 21843 12464 02753 31189 = = 373 31 000 //5095 kHz	MCW	(MPJ)
5760	M01b	18-6	1832	Thu	815 073 (?) 30 (?) = = 5 _811 __860 29_04 09305 0_960 ...	MCW	(AB)
5075	M01b	26-6	1914	Fri	i.p. 11706 31843 12464 02753 31189 = = 373 373 31 31 000	MCW	(MPJ)
7727	M03	1-6	1320	Mon	543/00	CW	(AB)
7727	M03	3-6	1320	Wed	543/00	CW	(AB)
15632	M03	5-6	1420	Fri	879/00 = = 000 VVV at 1413 UTC	CW	(AB)
7837	M03	7-6	1320	Sun	437/00 = = 000	CW	(AB)
15632	M03	7-6	1420	Sun	879/00 = = 000	CW	(AB/MPJ)
7727	M03	10-6	1320	Wed	543/00 = = 000 (VVV at 1315 UTC)	CW	(AB)
7837	M03	11-6	1320	Thu	437/00 = = 000 (VVV at 1312z)	CW	(AB)
15632	M03	12-6	1420	Fri	874/33 barely audible	CW	(AB)
7837	M03	14-6	1320	Sun	437/00	CW	(AB)
15632	M03	14-6	1420	Sun	874/33 = = 01586 71395 87496 ... 16918 14820 80596 = = 0 0 0	CW	(AB)
7727	M03	15-6	1320	Mon	543/00 = = 000	CW	(AB)
7727	M03	17-6	1320	Wed	543/00 = = 000	CW	(AB)
7837	M03	18-6	1320	Thu	437/00	CW	(AB)
15632	M03	19-6	1420	Fri	879/00 = = 000	CW	(AB)
7837	M03	21-6	1320	Sun	437/00 = = 000 (VVV at 1312z)	CW	(AB)
15632	M03	21-6	1420	Sun	879/00	CW	(AB/MPJ)
7720	M03	22-6	1320	Mon	542/35 = = 44137 21423 45889 ... 97659 06339 78993 = 542/35 = = rpt msg = = 000	CW	(AB)
7837	M03	25-6	1320	Thu	437/30 = = 06917 28938 48880 ... 05286 80913 55942 = = 0 0 0	CW	(AB)
15632	M03	26-6	1420	Fri	874/00 = = 000	CW	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
15632	M03	28-6	1420	Sun	879/00	CW	(AB)
7727	M03	29-6	1320	Mon	543/00 = = 000	CW	(AB)
7837	M03	28-7	1320	Sun	437/30 = = 06917 28938 48880 ... 05286 80913 55942 = = 437/30 = = 0 0 0	CW	(AB)
8096	M08a	1-6	1412	Mon	Cuban cut nbrs	CW	(DSch)
7554	M08a	1-6	2016	Mon	Cuban cut nbrs	CW	(DSch)
7554	M08a	2-6	2014	Tue	Cuban cut nbrs	CW	(DSch)
8135	M08a	2-6	2305	Tue	Cuban cut nbrs mixing with unscheduled HM01	CW	(DSch)
8096	M08a	3-6	1406	Wed	Cuban cut nbrs	CW	(DSch)
7554	M08a	3-6	2012	Wed	Cuban cut nbrs Cuban	CW	(DSch)
8009	M08a	3-6	2259	Wed	Cuban cut nbrs: WRUAA RTGUN IDNRA mixing with unscheduled HM01	CW	(DSch)
8096	M08a	4-6	1042	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	4-6	2009	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	5-6	2000	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	8-6	2007	Mon	Cuban cut nbrs	CW	(DSch)
8096	M08a	9-6	1358	Tue	Cuban cut nbrs: ATIWN NDWGN UNGNA	CW	(DSch)
7554	M08a	9-6	2003	Tue	Cuban cut nbrs	CW	(DSch)
7554	M08a	10-6	2014	Wed	Cuban cut nbrs	CW	(DSch)
8009	M08a	10-6	2300	Wed	Cuban cut nbrs mixing with unscheduled HM01	CW	(DSch)
7554	M08a	12-6	2012	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	15-6	1958	Mon	Cuban cut nbrs	CW	(DSch)
8096	M08a	16-6	1404	Tue	Cuban cut nbrs	CW	(DSch)
7554	M08a	16-6	2005	Tue	Cuban cut nbrs	CW	(DSch)
7554	M08a	17-6	1958	Wed	Cuban cut nbrs	CW	(DSch)
8096	M08a	27-6	1409	Sat	Cuban cut nbrs	CW	(DSch)
7554	M08a	27-6	2005	Sat	Cuban cut nbrs	CW	(DSch)
8096	M08a	28-6	1359	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN	CW	(DSch)
8096	M08a	30-6	1359	Tue	Cuban cut nbrs: NDTGN DWDNA UGRUA. Another xmtr tuned briefly on top of CW signal	CW	(DSch)
7554	M08z	30-6	2014	Tue	Cuban cut nbrs	CW	(DSch)
11435	M12	1-6	1700	Mon	938 1	CW	(HFD)
10598	M12	1-6	1720	Mon	938 1	CW	(HFD)
9327	M12	1-6	1740	Mon	938 1	CW	(HFD)
5788	M12	1-6	1840	Mon	463 1 5360 152 33960 15768 72704 94538 52729 ...	CW	(MPJ)
9176	M12	1-6	1900	Mon	257 1 2659 116 15773 19918 68696 26209 69565 ... 01946 45353 50980 37631 07857 000 000	CW	(MPJ)
7931	M12	1-6	1920	Mon	257 1 2659 116 15773 19918 68696 26209 69565 ... 01946 45353 50980 37631 07857 000 000	CW	(MPJ)
6904	M12	1-6	1940	Mon	257 1 2659 116 15773 19918 68696 26209 69565 ... 01946 45353 50980 37631 07857 000 000	CW	(MPJ)
8047	M12	3-6	1900	Wed	463 1 5815 131 17701 95644 53382 ... 05541 81091 29665 31092 000 000	CW	(AB)
11435	M12	3-6	1930	Wed	938 1 2679 56 72135 28179 02398 ... 60647 35954 49641 000 000	CW	(AB)
9986	M12	3-6	2100	Wed	903 0	CW	(HFD)
16269	M12	3-6	2110	Wed	263 0	CW	(HFD)
9086	M12	3-6	2120	Wed	903 0	CW	(HFD)
14669	M12	3-6	2130	Wed	263 0	CW	(HFD)
13873	M12	4-6	1310	Thu	834 0	CW	(HFD)
13373	M12	4-6	1330	Thu	834 0	CW	(HFD)
13386	M12	4-6	1500	Thu	725 1231 120 1231 120 38480 79695 08410 ... 20339 01930 13341 000 000	CW	(AB)
12189	M12	4-6	1720	Thu	725 1 8158 112 8158 112 70643 07545 68706 ... 64212 40480 67495 46834 82074 000 000	CW	(AB)
11491	M12	4-6	1740	Thu	725 1 8158 112 8158 112 70643 07545 68706 ... 64212 40480 67495 46834 82074 000 000	CW	(AB)
11491	M12	4-6	1740	Thu	725 1 8158 112 70643 07545 68706 60419 30019 ... 64212 40480 67495 46834 82074 000 000	CW	(MPJ)
10343	M12	4-6	1800	Thu	124 1 7410 149 23945 96864 36749 46200 56189 ... 77586 34689 13916 06166 35149 000 000	CW	(MPJ)
9264	M12	4-6	1820	Thu	124 1 7410 149 23945 96864 36749 46200 56189 ... 77586 34689 13916 06166 35149 000 000	CW	(MPJ)
8116	M12	4-6	1840	Thu	124 1 7410 149 23945 96864 36749 46200 56189 ... 77586 34689 13916 06166 35149 000 000	CW	(MPJ)
10343	M12	4-6	1900	Thu	124 1 4680 113 23587 60187 33891 64423 36907 ... 69610 04260 80407 94847 64535 000 000	CW	(MPJ)
10343	M12	4-6	1900	Thu	124 1	CW	(HFD)
9264	M12	4-6	1920	Thu	124 1	CW	(HFD)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrl
8116	M12	4-6	1940	Thu	124 1 4680 113 23587 60187 33891 64423 36907 ... 69610 04260 80407 94847 64535 000 000	CW	(MPJ)
8116	M12	4-6	1940	Thu	124 1	CW	(HFD)
10343	M12	9-6	1930	Tue	124 1 7550 70 02044 15356 63804 61500 05352 ... 10084 99066 31700 63261 33890 000 000	CW	(MPJ)
10343	M12	11-6	1800	Thu	124 1 7309 144 77221 95994 91649 19724 55217 ... 40717 10687 75519 33369 50040 000 000	CW	(MPJ)
8116	M12	11-6	1800	Thu	124 1 7309 144 77221 95994 91649 19724 55217 ... 40717 10687 75519 33369 50040 000 000	CW	(MPJ)
9264	M12	11-6	1824	Thu	124 1 7309 144 77221 95994 91649 19724 55217 ... 40717 10687 75519 33369 50040 000 000	CW	(MPJ)
10343	M12	11-6	1900	Thu	124 1 4463 115 87825 75781 05850 20084 24985 ... 04889 21389 50880 76215 88609 000 000	CW	(AB/MPJ)
9264	M12	11-6	1920	Thu	124 1 4463 115 87825 75781 05850 20084 24985 ... 04889 21389 50880 76215 88609 000 000	CW	(MPJ)
8116	M12	11-6	1940	Thu	124 1 4463 115 87825 75781 05850 20084 24985 ... 04889 21389 50880 76215 88609 000 000	CW	(MPJ)
13873	M12	13-6	1310	Sat	834 834 834 000	CW	(MPJ)
13373	M12	13-6	1330	Sat	834 834 834 000	CW	(MPJ)
16269	M12	13-6	2110	Sat		CW	(JNC)
14669	M12	13-6	2130	Sat		CW	(JNC)
13369	M12	13-6	2150	Sat		CW	(JNC)
8047	M12	15-6	1800	Mon	463 1	CW	(HFD)
6802	M12	15-6	1820	Mon	463 1	CW	(HFD)
5788	M12	15-6	1840	Mon	463 1	CW	(HFD)
9176	M12	15-6	1900	Mon	257 1	CW	(HFD)
7931	M12	15-6	1920	Mon	257 1	CW	(HFD)
6904	M12	15-6	1940	Mon	257 1	CW	(HFD)
10343	M12	16-6	1930	Tue	124 1 6598 Restarts. 124 1 6598 65 49715 11770 15232 45495 68279 ... 47547 45668 67909 14418 26630 000 000	CW	(MPJ)
9264	M12	16-6	1950	Tue	124 1 6598 65 49715 11770 15232 45495 68279 ... 47547 45668 67909 14418 26630 000 000	CW	(MPJ)
13873	M12	18-6	1310	Thu	834 1 2268 181 2268 181 23497 98805 92671 ... 29749 39142 09287 000 000	CW	(AB)
13373	M12	18-6	1330	Thu	834 1 2268 181 2268 181 23497 98805 92671 ... 29749 39142 09287 000 000	CW	(AB)
11473	M12	18-6	1350	Thu	834 1 2268 181 2268 181 23497 98805 92671 ... 29749 39142 09287 000 000	CW	(AB)
13386	M12	18-6	1500	Thu	725 1 9943 117 9943 117 17830 23469 14028 ... 33629 53351 45072 000 000	CW	(AB)
12189	M12	18-6	1520	Thu	725 1 9943 117 9943 117 17830 23469 14028 ... 33629 53351 45072 000 000	CW	(AB)
11491	M12	18-6	1540	Thu	725 1 9943 117 9943 117 17830 23469 14028 ... 33629 53351 45072 000 000	CW	(AB)
13386	M12	18-6	1700	Thu	725 1 3938 119 3938 119 39466 51432 36029 ... 40223 51323 12569 000 000	CW	(AB)
12189	M12	18-6	1720	Thu	725 1 3938 119 3938 119 39466 51432 36029 ... 40223 51323 12569 000 000	CW	(AB)
11491	M12	18-6	1740	Thu	725 1 3938 119 3938 119 39466 51432 36029 ... 40223 51323 12569 000 000	CW	(AB)
10343	M12	18-6	1800	Thu	124 1 4899 144 58556 51820 80554 15625 30553 ... 81302 89267 29552 14076 66425 000 000	CW	(MPJ)
9264	M12	18-6	1820	Thu	124 1 4899 144 58556 51820 80554 15625 30553 ... 81302 89267 29552 14076 66425 000 000	CW	(MPJ)
10343	M12	18-6	1900	Thu	124 6940 109 71234 77344 94805 33164 76104 ... 52291 35605 97419 55674 89518 000 000	CW	(MPJ)
9264	M12	18-6	1920	Thu	124 6940 109 71234 77344 94805 33164 76104 ... 52291 35605 97419 55674 89518 000 000	CW	(MPJ)
8116	M12	18-6	1940	Thu	124 6940 109 71234 77344 94805 33164 76104 ... 52291 35605 97419 55674 89518 000 000	CW	(MPJ)
9282	M12	20-6	0500	Sat	291 1 2981 199 2981 199 99967 59648 38782 ... 36601 53295 15378 000 000	CW	(AB)
10982	M12	20-6	0520	Sat	291 1 2981 199 2981 199 99967 59648 38782 ... 36601 53295 15378 000 000	CW	(AB)
12182	M12	20-6	0540	Sat	291 1 2981 199 2981 199 99967 59648 38782 ... 36601 53295 15378 000 000	CW	(AB)
12205	M12	22-6	1100	Mon	973 1 9514 112 02074 92649 85850 ... 78401 81138 24398 000 000	CW	(AB)
10598	M12	22-6	1720	Mon	938 1 3849 117 3849 117 13404 17862 60781 ... 02585 01350 80926 000 000	CW	(AB)
9327	M12	22-6	1740	Mon	938 1 3849 117 3849 117 13404 17862 60781 ... 02585 01350 80926 000 000	CW	(AB)
9165	M12	23-6	1305	Tue	186 1 3374 42 3374 42 46735 90822 54168 ... 48782 17850 46036 000 000	CW	(AVX/Danix)
9176	M12	24-6	1800	Wed	257 1 7915 140 07323 26225 30214 11552 55748 ... 47523 06359 73519 26490 59295 000 000	CW	(MPJ)
7931	M12	24-6	1820	Wed	257 1 7915 140 07323 26225 30214 11552 55748 ... 47523 06359 73519 26490 59295 000 000	CW	(MPJ)
6904	M12	24-6	1840	Wed	257 1 7915 140 07323 26225 30214 11552 55748 ... 47523 06359 73519 26490 59295 000 000	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrlb
8047	M12	24-6	1900	Wed	463 1 9453 131 42204 98133 32943 57899 15319 ... 03946 32773 95502 6_729 53291 000 000	CW	(MPJ)
6802	M12	24-6	1920	Wed	463 1 9453 131 42204 98133 32943 57899 15319 ... 03946 32773 95502 6_729 53291 000 000	CW	(MPJ)
11435	M12	24-6	1930	Wed	938 1 8438 68 40922 65629 03051 47357 16560 ... 41859 49935 43499 89830 46633 000 000	CW	(MPJ)
5788	M12	24-6	1940	Wed	463 1 9453 131 42204 98133 32943 57899 15319 ... 03946 32773 95502 6_729 53291 000 000	CW	(MPJ)
10598	M12	24-6	1950	Wed	938 1 8438 68 40922 65629 03051 47357 16560 ... 41859 49935 43499 89830 46633 000 000	CW	(MPJ)
13373	M12	27-6	1330	Sat	834 1 3844 201 08796 35757 29135 ... 93299 36149 88453 000 000	CW	(AB)
11473	M12	27-6	1350	Sat	834 1 3844 201 08796 35757 29135 ... 93299 36149 88453 000 000	CW	(AB)
10343	M12	30-6	1930	Tue	124 1 7567 57 53685 06325 41592 51822 07654 ... 82635 46152 00119 55896 67970 000 000	CW	(MPJ)
9264	M12	30-6	1950	Tue	124 1 7567 57 53685 06325 41592 51822 07654 ... 82635 46152 00119 55896 67970 000 000	CW	(MPJ)
5825	M14	1-6	0000	Mon	376 524 020 93295 26704 14838 ... 14238 65230 23051 524 020 00000	CW	(AB)
5241	M14	7-6	2300	Sun	376 524 020 93275 26704 14838 ... 14238 26365 23051 524 020 00000	CW	(AB)
5825	M14	8-6	0000	Mon	376 524 020 93295 26704 14838 ... 14238 26365 23051 524 020 00000	CW	(AB)
6856	M14	9-6	1820	Tue	163 972 020 43765 19832 72308 59265 71534 ... 48810 52981 48206 28881 93711 972 020 00000	MCW	(MPJ)
6856	M14	9-6	1820	Tue	163 972 020 53765 43765 19832 ...	CW	(AB)
5241	M14	14-6	2300	Sun	376 524 020 93295 26704 14838 ... 14238 26365 23051 524 020 00000	CW	(AB)
5825	M14	15-6	0000	Mon	376 524 020 93295 26704 14838 ... 14238 26365 23051 524 020 00000	CW	(AB)
7485	M14	19-6	1700	Fri	382 382 382 00000	CW	(AB)
5240	M14	21-6	2300	Sun	376 524 020 93295 26704 14838 ... 14238 26365 23051 524 020 00000	CW	(AB)
5825	M14	22-6	0000	Mon	376 524 020 93295 26704 14838 ... 14238 26365 23051 524 020 00000	CW	(AB)
5938	M14	24-6	1918	Wed	417 592 020 27856 43321 93276 ... 29845 10456 72878 592 020 00000	CW	(MPJ)
5825	M14	29-6	0000	Mon	376 524 524 020 020 93295 26704 14838 ... 14238 26365 23051 524 524 020 020 00000	CW	(AB)
8116	M14a	3-6	0603	Wed	i.p. 83207 00711 06150 = = 468 23 910 275 36 = = 19903 82666 09848 ... 80885 25221 14587 = = 275 36 00000	CW	(JPL)
11035	M21	18-6	0430	Thu	970 19700 4920882 29. 970 24920543 29. 965 14778951 29	CW	(JPL-Sib)
5228	M21	30-6	2157	Tue	Russian Air Defense =990057??8?????	CW	(Danix)
5283	M32	3-6	0207	Wed	LYW61 DE YLK74 QSA? K. OK QSA 4 K. R RPT K. AS K	CW	(JPL-Sib)
7881	M32	3-6	0629	Wed	QTC K. LXQU 066 28 3 0925 066 = 548 = MMMMM L\OSKC CAL\HD (Cont'd)	CW	(JPL-Sib)
6927	M32	3-6	0633	Wed	QTC K. NSBO 575 23 3 0925 575 = 838 = PPPPP O\HXPV LBH\AZ OXL\HV (Con- t'd)	CW	(JPL-Sib)
3692	M32	3-6	1859	Wed	=992258??0?????	CW	(JPL-Sib)
14411	M32	4-6	0920	Thu	XXX XXX XB2M X2BM 02866 88603 BUNITA 7567 3285	CW	(JU)
14411	M32	4-6	0923	Thu	...21 KONWEJER 7181 8661	CW	(JU)
14411	M32	4-6	0944	Thu	XXX XXX XB2M XB2M 68035 62698 WYPREWANIE 9569 0871	CW	(JU)
14411	M32	4-6	0949	Thu	XXX XXX RDL RDL 92957 61657 KISELINA 0267 6737	CW	(JU)
14411	M32	4-6	1010	Thu	XXX XXX RDL RDL 98619 21243 ALLAGIT 5146 2622	CW	(JU)
14411	M32	4-6	1011	Thu	XXX XXX RDL RDL 16057 77044 KAEMOOeNYJ 9301 1292	CW	(JU)
14411	M32	4-6	1027	Thu	XXX XXX 6S8F 6S8F 11170 KONTAL 8116 1067	CW	(JU)
14411	M32	4-6	1054	Thu	XXX XXX 2BYP 2BYP 81332 81019 TAEWKUCa 9732 8563	CW	(JU)
14411	M32	4-6	1109	Thu	XXX XXX 6S8F 6S8F 54544 77184 BIRVAWEC 0353 2928 ANTIFON 3127 8871 PODPOLXE 3945 9785	CW	(JU)
14411	M32	4-6	1132	Thu	XXX XXX 6S8F 6S8F 32669 77923 STOLOWYJ 5063 1479 CITOHRON 5066 1431 APPARATNYJ 1347 6805	CW	(JU)
14411	M32	4-6	1140	Thu	XXX XXX RDL RDL 93457 19596 MONTANXAeR 4941 2224	CW	(JU)
14411	M32	4-6	1207	Thu	XXX XXX RDL RDL 23781 91400 PODKALEPKA 0000 0000	CW	(JU)
14411	M32	4-6	1212	Thu	20912 77908 TALLAPUSA 0000 0000	CW	(JU)
14411	M32	4-6	1240	Thu	UUU XXX XXX WEGI WEGI 36654 79799 SOLXWENT 4378 1227	CW	(JU)
14411	M32	4-6	1423	Thu	UUU XXX XXX WEGI WEGI 80384 82089 POLXWAR 9533 2663	CW	(JU)
9166	M32	6-6	0743	Sat	i.p. WSZEZ K. KBZ990 QTC K. FP4Q 078 31 6 1040 078 = 288 AS	CW	(JPL-Sib)
5928	M32	10-6	1548	Wed	3G9J DE JTL4 K. 3G9J DE JTL4 K	CW	(JPL-Sib)
14411	M32	16-6	0920	Tue	UUU XXX XXX WEGI WEGI 38933 05012 NONET 1407 1396	CW	(JU)
14411	M32	16-6	0926	Tue	UUU XXX XXX RGT77 RGT77 74911 15034 PODTEK 7172 7422	CW	(JU)
12692	M32	16-6	0930	Tue	i.p. rpt al ar RAA k" after finishing a 5f-msg	CW	(JU)
14411	M32	16-6	0931	Tue	XXX XXX WEGI WEGI 21146 74187 PODWYWIH 9480 4739 k	CW	(JU)
14411	M32	16-6	1003	Tue	UUU XXX XXX RGT77 RGT77 02882 39921 AKTOGRAF 7000 9895	CW	(JU)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrlb
16048	M32	17-6	0737	Wed	HGHR HGHR HGHR DE ZSMA ZSMA QTC 808 34 17 1034 808 = ZWQ486 = KCC KN G\HQZL RPAAA LROAL YORLY OARLY (Cont'd)	CW	(JPL-Sib)
3811	M32	17-6	2115	Wed	i.p. .F9E 139 45 17 2313 139 = ZKI FM 733 603 FOR 468 996 733 = MMMMM MBEEEEEE RPT 060 = MMMMM MBCLY ÍXCHW ÍLHVW AE-IU (Cont'd)	CW	(JPL-Sib)
4920	M32	18-6	0442	Thu	V77B DE VGV8 ZJN ZYS K	CW	(JPL-Sib)
10540	M32	18-6	1142	Thu	RCRE DE RAA K. RAA QRR 3 QDW 10665 K 210 =	CW	(JPL-Sib)
10144	M32	18-6	1601	Thu	JQJD K. JQJD QSA4 R K. KTK4 KTK4 KTK4 DE JQJD JQJD K	CW	(JPL-Sib)
5102	M32	18-6	1617	Thu	XEBS DE O1W3 K	CW	(JPL-Sib)
5442	M32	19-6	1535	Fri	QTC K. VVV D51Q 229 27 19 1830 229 = 566 = MMMMM EOIOX RWM\HD (Cont'd)	CW	(JPL-Sib)
6844	M32	23-6	2242	Tue	DE JO85 QTC 622 21 24 0104 622 = 689 = MMMMM AOFBW P\OZAI TE\ALC (Cont'd)	CW	(JPL-Sib)
14411	M32	29-6	1345	Mon	xxx xxx wegi wegi 02269 66694 woshodõqij 3698 2629 k //18.1//16112 kHz	CW	(Danix)
7827	M32	29-6	1345	Mon	xxx xxx rgt77 rgt77 54654 golxe 7009 6741 k	CW	(Danix)
16112	M32	29-6	1349	Mon	xxx xxx wegi wegi 02269 66694 woshodõqij 3698 2629 k //18.1//14411 kHz	CW	(Danix)
18.1	M32	29-6	1349	Mon	xxx xxx wegi wegi 02269 66694 woshodõqij 3698 2629 k //14411//16112 kHz	CW	(Danix)
16112	M32	29-6	1350	Mon	xxx xxx rgt77 rgt77 85142 54654 golxe 7009 6741 k //18.1//14411 kHz	CW	(Danix)
14411	M32	29-6	1350	Mon	xxx xxx rgt77 rgt77 85142 54654 golxe 7009 6741 k //18.1//16112 kHz	CW	(Danix)
18.1	M32	29-6	1350	Mon	xxx xxx rgt77 rgt77 85142 54654 golxe 7009 6741 k //14411//16112 kHz	CW	(Danix)
8895	M32c	29-6	0600	Mon	W-markers: Tu-95MS Bear H net RUS 0600 CW (30Jun15) (Tom)	CW	(Tom)
17470	M42	4-6	0638	Thu	Russia diplo, Moscow	CROWD-36	(AAI)
16047	M42	24-6	0918	Wed	Russian diplo. Serdolik selcall timing-marker	CROWD-36	(AAI)
11022	M42c	4-6	1900	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/HFD)
9090	M42c	4-6	1910	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/HFD)
6784	M42c	4-6	1920	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/HFD)
17494	M42c	6-6	1200	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
15930	M42c	6-6	1210	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
13479	M42c	6-6	1220	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
11022	M42c	11-6	1900	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
9090	M42c	11-6	1910	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
6784	M42c	11-6	1920	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
17494	M42c	13-6	1200	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/HFD)
15930	M42c	13-6	1210	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/HFD)
13479	M42c	13-6	1220	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/HFD)
16320	M42c	13-6	1810	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ/HFD)
14802	M42c	13-6	1820	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ/HFD)
12205	M42c	13-6	1830	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ/HFD)
11022	M42c	18-6	1900	Thu	Russian Diplo/Intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
9090	M42c	18-6	1900	Thu	Russian Diplo/Intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
6784	M42c	18-6	1900	Thu	Russian Diplo/Intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
17494	M42c	20-6	1200	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
15930	M42c	20-6	1210	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
13479	M42c	20-6	1220	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
16320	M42c	20-6	1810	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
14802	M42c	20-6	1820	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
12205	M42c	20-6	1830	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
10601	M42c	27-6	0206	Sat	863 1 11111 11111 11111 100 6902 11003 00000 +++++ 206(1 81111 66001 48000 00270 11000 59	FSK 200/500	(MCO)
17494	M42c	27-6	1200	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
15930	M42c	27-6	1210	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
13479	M42c	27-6	1220	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
16320	M42c	27-6	1810	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
14802	M42c	27-6	1820	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
12205	M42c	27-6	1830	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
11472	M42d	1-6	0700	Mon	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
9232	M42d	1-6	0710	Mon	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
7459	M42d	1-6	0720	Mon	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
10760	M42d	1-6	1200	Mon	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
8189	M42d	1-6	1210	Mon	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
11472	M42d	2-6	0700	Tue	Russian diplo/intel. Msg 040 on link 45137	FSK 200/1000	(AB)
9232	M42d	2-6	0710	Tue	Russian diplo/intel. Msg 040 on link 45137	FSK 200/1000	(AB)
7459	M42d	2-6	0720	Tue	Russian diplo/intel. Msg 040 on link 45137	FSK 200/1000	(AB)
10760	M42d	2-6	1200	Tue	Russian diplo/intel. Msg 040 on link 45137	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
8189	M42d	2-6	1210	Tue	Russian diplo/intel. Msg 040 on link 45137	FSK 200/1000	(AB)
12192	M42d	2-6	2100	Tue	Russian diplo/intel. Msg 002 on link 45057	FSK 200/1000	(AB)
10637	M42d	2-6	2110	Tue	Russian diplo/intel. Msg 002 on link 45057	FSK 200/1000	(AB)
8097	M42d	2-6	2120	Tue	Russian diplo/intel. Msg 002 on link 45057	FSK 200/1000	(AB)
11472	M42d	3-6	0700	Wed	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
9232	M42d	3-6	0710	Wed	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
7459	M42d	3-6	0720	Wed	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
10760	M42d	3-6	1200	Wed	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
8189	M42d	3-6	1210	Wed	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
11472	M42d	4-6	0700	Thu	Russian diplo/intel. Msg 047 on link 45136	FSK 200/1000	(AB)
9232	M42d	4-6	0710	Thu	Russian diplo/intel. Msg 047 on link 45136	FSK 200/1000	(AB)
7459	M42d	4-6	0720	Thu	Russian diplo/intel. Msg 047 on link 45136	FSK 200/1000	(AB)
8189	M42d	4-6	1200	Thu	Russian diplo/intel. Msg 047 on link 45136	FSK 200/1000	(AB)
10760	M42d	4-6	1200	Thu	Russian diplo/intel. Msg 047 on link 45136	FSK 200/1000	(AB)
11472	M42d	5-6	0700	Fri	Russian diplo/intel. Msg 022 on link 45136	FSK 200/1000	(AB)
9232	M42d	5-6	0710	Fri	Russian diplo/intel. Msg 022 on link 45136	FSK 200/1000	(AB)
7459	M42d	5-6	0720	Fri	Russian diplo/intel. Msg 022 on link 45136	FSK 200/1000	(AB)
18321	M42d	6-6	2100	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(Danix)
13579	M42d	6-6	2110	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
15884	M42d	6-6	2110	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
19241	M42d	7-6	1100	Sun	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
17462	M42d	7-6	1110	Sun	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
14412	M42d	7-6	1120	Sun	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
16232	M42d	7-6	1540	Sun	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
14431	M42d	7-6	1550	Sun	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
11472	M42d	8-6	0700	Mon	Russian diplo/intel	FSK 200/1000	(AB)
9232	M42d	8-6	0710	Mon	Russian diplo/intel	FSK 200/1000	(AB)
7459	M42d	8-6	0720	Mon	Russian diplo/intel	FSK 200/1000	(AB)
10760	M42d	8-6	1200	Mon	Russian diplo/intel. Msg 052 on link 45136	FSK 200/1000	(AB)
8189	M42d	8-6	1210	Mon	Russian diplo/intel. Msg 052 on link 45136	FSK 200/1000	(AB)
11472	M42d	9-6	0700	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
9232	M42d	9-6	0710	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
7459	M42d	9-6	0720	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
10760	M42d	9-6	1200	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
8189	M42d	9-6	1210	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
6780	M42d	9-6	1220	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
13466	M42d	9-6	1420	Tue	Russian diplo/intel. Msg 055 on link 45265	FSK 200/1000	(AB)
13481	M42d	9-6	1700	Tue	Russian diplo/intel. Msg 142 on link 20501	FSK 200/1000	(AB)
12201	M42d	9-6	2310	Tue	Russian diplo/intel. Msg 132 on link 40988	FSK 200/1000	(AB/Dan)
11146	M42d	9-6	2320	Tue	Russian diplo/intel. Msg 132 on link 40988	FSK 200/1000	(AB/Dan)
11474	M42d	10-6	0700	Wed	Russian diplo/intel. Msg 060 on link 45137	FSK 200/1000	(AB)
9232	M42d	10-6	0710	Wed	Russian diplo/intel. Msg 060 on link 45137	FSK 200/1000	(AB)
7459	M42d	10-6	0720	Wed	Russian diplo/intel. Msg 060 on link 45137	FSK 200/1000	(AB)
15904	M42d	10-6	0800	Wed	Russian diplo/intel. Msg 245 on link 45075	FSK 200/1000	(AB)
13466	M42d	10-6	0810	Wed	Russian diplo/intel. Msg 245 on link 45075	FSK 200/1000	(AB)
11112	M42d	10-6	0820	Wed	Russian diplo/intel. Msg 245 on link 45075	FSK 200/1000	(AB)
10760	M42d	10-6	1200	Wed	Russian diplo/intel. Msg 060 on link 45137	FSK 200/1000	(AB)
8189	M42d	10-6	1210	Wed	Russian diplo/intel. Msg 060 on link 45137	FSK 200/1000	(AB)
6780	M42d	10-6	1220	Wed	Russian diplo/intel. Msg 060 on link 45137	FSK 200/1000	(AB)
11472	M42d	11-6	0700	Thu	Russian diplo/intel. Msg 062 on link 45136	FSK 200/1000	(AB)
9232	M42d	11-6	0710	Thu	Russian diplo/intel. Msg 062 on link 45136	FSK 200/1000	(AB)
7459	M42d	11-6	0720	Thu	Russian diplo/intel. Msg 062 on link 45136	FSK 200/1000	(AB)
17426	M42d	11-6	0800	Thu	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
15787	M42d	11-6	0810	Thu	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
13384	M42d	11-6	0820	Thu	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
10760	M42d	11-6	1200	Thu	Russian diplo/intel. Msg 062 on link 45136	FSK 200/1000	(AB)
13541	M42d	11-6	1200	Thu	Russian diplo/intel. Msg 120 on link 49237	FSK 200/1000	(AB)
11152	M42d	11-6	1210	Thu	Russian diplo/intel. Msg 120 on link 49237	FSK 200/1000	(AB)
9219	M42d	11-6	1220	Thu	Russian diplo/intel. Msg 120 on link 49237	FSK 200/1000	(AB)
11472	M42d	12-6	0700	Fri	Russian diplo/intel. Msg 065 on link 45137	FSK 200/1000	(AB)
9232	M42d	12-6	0710	Fri	Russian diplo/intel. Msg 065 on link 45137	FSK 200/1000	(AB)
7459	M42d	12-6	0720	Fri	Russian diplo/intel. Msg 065 on link 45137	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrlb
16312	M42d	13-6	0900	Sat	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
14567	M42d	13-6	0910	Sat	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
12189	M42d	13-6	0920	Sat	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
19241	M42d	13-6	1100	Sat	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
17462	M42d	13-6	1110	Sat	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
14412	M42d	13-6	1120	Sat	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
18321	M42d	13-6	2100	Sat	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB/JNC)
15884	M42d	13-6	2110	Sat	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB/JNC)
13579	M42d	13-6	2120	Sat	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB/JNC)
18519	M42d	13-6	2130	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB/JNC)
16254	M42d	13-6	2140	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB/JNC)
14639	M42d	13-6	2150	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB/JNC)
13889	M42d	15-6	0400	Mon	Russian diplo/intel. Msg 012 on link 45071	FSK 200/1000	(AB)
11147	M42d	15-6	0410	Mon	Russian diplo/intel. Msg 012 on link 45071	FSK 200/1000	(AB)
9183	M42d	15-6	0420	Mon	Russian diplo/intel. Msg 012 on link 45071	FSK 200/1000	(AB)
11472	M42d	15-6	0700	Mon	Russian diplo/intel. Msg 067 on link 45137	FSK 200/1000	(AB)
9232	M42d	15-6	0710	Mon	Russian diplo/intel. Msg 067 on link 45137	FSK 200/1000	(AB)
7459	M42d	15-6	0720	Mon	Russian diplo/intel. Msg 067 on link 45137	FSK 200/1000	(AB)
11472	M42d	16-6	0700	Tue	Russian diplo/intel. Msg 070 on link 45136	FSK 200/1000	(AB)
9232	M42d	16-6	0710	Tue	Russian diplo/intel. Msg 070 on link 45136	FSK 200/1000	(AB)
7459	M42d	16-6	0720	Tue	Russian diplo/intel. Msg 070 on link 45136	FSK 200/1000	(AB)
10760	M42d	16-6	1200	Tue	Russian diplo/intel. Msg 070 on link 45136	FSK 200/1000	(AB/MPJ)
8189	M42d	16-6	1210	Tue	Russian diplo/intel. Msg 070 on link 45136	FSK 200/1000	(AB)
17479	M42d	16-6	1400	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
15945	M42d	16-6	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/MPJ)
13466	M42d	16-6	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
17451	M42d	16-6	1650	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(MPJ)
15863	M42d	16-6	1700	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13481	M42d	16-6	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
14979	M42d	16-6	2300	Tue	Russian diplo/intel. Msg 002 on link 40988	FSK 200/1000	(AB)
12201	M42d	16-6	2310	Tue	Russian diplo/intel. Msg 002 on link 40988	FSK 200/1000	(AB/Dan)
11146	M42d	16-6	2320	Tue	Russian diplo/intel. Msg 002 on link 40988	FSK 200/1000	(AB/Dan)
11472	M42d	17-6	0700	Wed	Russian diplo/intel. Msg 075 on link 45136	FSK 200/1000	(AB)
10760	M42d	17-6	1200	Wed	Russian diplo/intel. Msg 075 on link 45136	FSK 200/1000	(AB)
16284	M42d	17-6	1230	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
14515	M42d	17-6	1240	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
12177	M42d	17-6	1250	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
15841	M42d	17-6	2210	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
13486	M42d	17-6	2220	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
11472	M42d	18-6	0700	Thu	Russian diplo/intel. Msg 077 on link 45136	FSK 200/1000	(AB)
9232	M42d	18-6	0710	Thu	Russian diplo/intel. Msg 077 on link 45136	FSK 200/1000	(AB)
7459	M42d	18-6	0720	Thu	Russian diplo/intel. Msg 077 on link 45136	FSK 200/1000	(AB)
13541	M42d	18-6	1330	Thu	Russian diplo/intel. Msg 065 on link 49237	FSK 200/1000	(AB)
11472	M42d	19-6	0700	Fri	Russian diplo/intel. Msg 110 on link 45137	FSK 200/1000	(AB)
9232	M42d	19-6	0710	Fri	Russian diplo/intel. Msg 110 on link 45137	FSK 200/1000	(AB)
7459	M42d	19-6	0720	Fri	Russian diplo/intel. Msg 110 on link 45137	FSK 200/1000	(AB)
19241	M42d	20-6	1100	Sat	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
17462	M42d	20-6	1110	Sat	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
14412	M42d	20-6	1120	Sat	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
18321	M42d	20-6	2100	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
15884	M42d	20-6	2110	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
13579	M42d	20-6	2120	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
19241	M42d	21-6	1100	Sun	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
14412	M42d	21-6	1120	Sun	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
11472	M42d	22-6	0700	Mon	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
9232	M42d	22-6	0710	Mon	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
7459	M42d	22-6	0720	Mon	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
17462	M42d	22-6	1110	Mon	Russian diplo/intel. Msg 045 on link 36882	FSK 200/1000	(AB)
10760	M42d	22-6	1200	Mon	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
8189	M42d	22-6	1210	Mon	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
6780	M42d	22-6	1220	Mon	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
10760	M42d	23-6	1200	Tue	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
8189	M42d	23-6	1210	Tue	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
6780	M42d	23-6	1220	Tue	Russian diplo/intel. Msg 082 on link 45137	FSK 200/1000	(AB)
17479	M42d	23-6	1400	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
15945	M42d	23-6	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
13466	M42d	23-6	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
17449	M42d	23-6	1650	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
15863	M42d	23-6	1700	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13481	M42d	23-6	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
11472	M42d	24-6	0700	Wed	Russian diplo/intel. Msg 090 on link 45137	FSK 200/1000	(AB)
9232	M42d	24-6	0710	Wed	Russian diplo/intel. Msg 090 on link 45137	FSK 200/1000	(AB)
7459	M42d	24-6	0720	Wed	Russian diplo/intel. Msg 090 on link 45137	FSK 200/1000	(AB)
15904	M42d	24-6	0800	Wed	Russian diplo/intel. Msg 037 on link 45075	FSK 200/1000	(AB)
17426	M42d	24-6	0800	Wed	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
13466	M42d	24-6	0810	Wed	Russian diplo/intel. Msg 037 on link 45075	FSK 200/1000	(AB)
15787	M42d	24-6	0810	Wed	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
13384	M42d	24-6	0820	Wed	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
11112	M42d	24-6	0820	Wed	Russian diplo/intel. Msg 037 on link 45075	FSK 200/1000	(AB)
16341	M42d	24-6	0915	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
14524	M42d	24-6	0925	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
12211	M42d	24-6	0935	Wed	Russian diplo/intel. Msg 002 on link 2049	FSK 200/1000	(AB)
10760	M42d	24-6	1200	Wed	Russian diplo/intel.	FSK 200/1000	(AB)
8189	M42d	24-6	1210	Wed	Russian diplo/intel.	FSK 200/1000	(AB)
13486	M42d	24-6	2220	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
11472	M42d	25-6	0700	Thu	Russian diplo/intel. Msg 092 on link 45137	FSK 200/1000	(AB)
9232	M42d	25-6	0710	Thu	Russian diplo/intel. Msg 092 on link 45137	FSK 200/1000	(AB)
7459	M42d	25-6	0720	Thu	Russian diplo/intel. Msg 092 on link 45137	FSK 200/1000	(AB)
17426	M42d	25-6	0800	Thu	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
15787	M42d	25-6	0810	Thu	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
13384	M42d	25-6	0820	Thu	Russian diplo/intel. Msg 217 on link 16404	FSK 200/1000	(AB)
10760	M42d	25-6	1200	Thu	Russian diplo/intel.	FSK 200/1000	(AB)
13541	M42d	25-6	1330	Thu	Russian diplo/intel. Msg 222 on link 49237	FSK 200/1000	(AB)
11152	M42d	25-6	1340	Thu	Russian diplo/intel. Msg 222 on link 49237	FSK 200/1000	(AB)
9219	M42d	25-6	1350	Thu	Russian diplo/intel. Msg 222 on link 49237	FSK 200/1000	(AB)
16249	M42d	27-6	0800	Sat	Russian diplo/intel. Msg 025 on link 45114	FSK 200/1000	(AB)
14563	M42d	27-6	0810	Sat	Russian diplo/intel. Msg 025 on link 45114	FSK 200/1000	(AB)
12114	M42d	27-6	0820	Sat	Russian diplo/intel. Msg 025 on link 45114	FSK 200/1000	(AB)
16312	M42d	27-6	0900	Sat	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
14567	M42d	27-6	0910	Sat	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
12189	M42d	27-6	0920	Sat	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
19241	M42d	27-6	1100	Sat	Russian diplo/intel. Msg 047 on link 36882	FSK 200/1000	(AB)
17462	M42d	27-6	1110	Sat	Russian diplo/intel. Msg 047 on link 36882	FSK 200/1000	(AB)
14412	M42d	27-6	1120	Sat	Russian diplo/intel. Msg 047 on link 36882	FSK 200/1000	(AB)
18321	M42d	27-6	2100	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
15884	M42d	27-6	2110	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
13579	M42d	27-6	2120	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
16249	M42d	28-6	0800	Sun	Russian diplo/intel. Msg 025 on link 45114	FSK 200/1000	(AB)
14563	M42d	28-6	0810	Sun	Russian diplo/intel. Msg 025 on link 45114	FSK 200/1000	(AB)
12114	M42d	28-6	0820	Sun	Russian diplo/intel. Msg 025 on link 45114	FSK 200/1000	(AB)
16312	M42d	28-6	0900	Sun	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
14567	M42d	28-6	0910	Sun	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
12189	M42d	28-6	0920	Sun	Russian diplo/intel. Msg 180 on link 45057	FSK 200/1000	(AB)
19241	M42d	28-6	1100	Sun	Russian diplo/intel. Msg 047 on link 36882	FSK 200/1000	(AB)
17462	M42d	28-6	1110	Sun	Russian diplo/intel. Msg 047 on link 36882	FSK 200/1000	(AB)
14412	M42d	28-6	1120	Sun	Russian diplo/intel. Msg 047 on link 36882	FSK 200/1000	(AB)
11472	M42d	29-6	0700	Mon	Russian diplo/intel. Msg 097 on link 45137	FSK 200/1000	(AB)
9232	M42d	29-6	0710	Mon	Russian diplo/intel. Msg 097 on link 45137	FSK 200/1000	(AB)
7459	M42d	29-6	0720	Mon	Russian diplo/intel. Msg 097 on link 45137	FSK 200/1000	(AB)
10760	M42d	29-6	1200	Mon	Russian diplo/intel. Msg 097 on link 45137	FSK 200/1000	(AB)
8189	M42d	29-6	1210	Mon	Russian diplo/intel. Msg 097 on link 45137	FSK 200/1000	(AB)
6780	M42d	29-6	1220	Mon	Russian diplo/intel. Msg 097 on link 45137	FSK 200/1000	(AB)
11472	M42d	30-6	0700	Tue	Russian diplo/intel. Msg 100 on link 45136	FSK 200/1000	(AB)
9232	M42d	30-6	0710	Tue	Russian diplo/intel. Msg 100 on link 45136	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
7459	M42d	30-6	0720	Tue	Russian diplo/intel. Msg 100 on link 45136	FSK 200/1000	(AB)
12201	M42d	30-6	2310	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
11146	M42d	30-6	2320	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
18756.5	M51	2-6	2039	Tue	French Army/Intel CNMO TSR FaviPres-Vernon: NR 08 J 02 22:39:25 2015 = JJWUY //7437 kHz	CW	(Danix)
7437	M51	2-6	2039	Tue	French Army/Intel CNMO TSR FaviPres-Vernon: NR 08 J 02 22:39:25 2015 = JJWUY //18756.5 kHz	CW	(Danix)
7529	M51	3-6	1814	Wed	French Army CNMO TSR FaviPres-Vernon: NR 27 J 03 20:15:02 2015 = UMFOV OVZVK //2811 kHz	CW	(Danix)
2811	M51	3-6	1814	Wed	French Army CNMO TSR FaviPres-Vernon: NR 27 J 03 20:15:02 2015 = UMFOV OVZVK //7529 kHz	CW	(Danix)
4440.5	M51	4-6	2004	Thu	French Army CNMO TSR FaviPres-Vernon: NR 01 J 04 22:04:40 2015 = BFEXH ZRKIG //9191 kHz	CW	(Danix)
9191	M51	4-6	2004	Thu	French Army CNMO TSR FaviPres-Vernon: NR 01 J 04 22:04:40 2015 = BFEXH ZRKIG //4440.5 kHz	CW	(Danix)
3881	M51	5-6	0949	Fri	French Army CNMO TSR FaviPres-Vernon: NR 40 J 05 11:49:23 2015 = TPMLF QNDMP //6825 kHz	CW	(AB)
6825	M51	5-6	0949	Fri	French Army CNMO TSR FaviPres-Vernon: NR 40 J 05 11:49:23 2015 = TPMLF QNDMP //3881 kHz	CW	(AB)
6825	M51a	2-6	0817	Tue	French Army CNMO TSR Favieres-Vernon //3881 kHz	CW	(AB)
3881	M51a	2-6	0817	Tue	French Army CNMO TSR Favieres-Vernon //6825 kHz	CW	(AB)
8016	M51a	14-6	0213	Sun	FAV22: ENTRER VOTRE TEXTE CLAIR and ENTRER VOTRE TEXTE CODÉ	CW	(HS)
10180	M89	1-6	1228	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	1-6	1232	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	1-6	1232	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5500	M89	1-6	1234	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3330	M89	1-6	1236	Mon	i.p. VVV VVV F GA CQ 63 RMKS ...TO 06.. 302.... AR =	CW	(JPL)
5644	M89	1-6	1258	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	1-6	1258	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5801	M89	1-6	1625	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	1-6	1625	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4131	M89	1-6	1630	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5578	M89	1-6	1636	Mon	i.p. R HR F GA K. FF NR 9206/EX 00.. = RWKS 80.0 TO .4..7 K	CW	(JPL)
3642	M89	1-6	2025	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	1-6	2025	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
9131	M89	2-6	0151	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	2-6	0151	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
5801	M89	2-6	0154	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	2-6	0154	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
8858	M89	2-6	0201	Tue	CQ (x3) DE DP91 (x2) V NIL SK GB	CW	(JPL)
3330	M89	2-6	1447	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	2-6	1448	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	2-6	1448	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	2-6	1450	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	2-6	1450	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	2-6	1452	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	2-6	1452	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4131	M89	2-6	1646	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10947	M89	3-6	0149	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	3-6	0149	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
7602	M89	3-6	0151	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
8858	M89	3-6	0159	Wed	CQ (x3) DE DP91 (x2) V	CW	(JPL)
10180	M89	3-6	0603	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10145	M89	3-6	0604	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10947	M89	3-6	1012	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	3-6	1012	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
6793	M89	3-6	1014	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5588	M89	3-6	1015	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10640	M89	3-6	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	3-6	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10816	M89	3-6	1029	Wed	i.p. 1P1W = A34T TDA6 N5D4 36U4 3757 D5A3. QSL 1830 K. OK HR WK NR YR 018 YR NIL SK GB AR	CW	(JPL)
10180	M89	3-6	1037	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
5801	M89	3-6	1037	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10145	M89	3-6	1039	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10145	M89	3-6	1358	Wed	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
5177	M89	3-6	1358	Wed	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10180	M89	3-6	1400	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	3-6	1400	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
5644	M89	3-6	1412	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3777	M89	3-6	1413	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	3-6	1413	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
7602	M89	3-6	1730	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	3-6	1730	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3330	M89	5-6	1750	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	5-6	1752	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	5-6	1754	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	5-6	1754	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	5-6	1756	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	5-6	1756	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
6840	M89	5-6	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	5-6	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4131	M89	5-6	2227	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10947	M89	7-6	0351	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	7-6	0358	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
7788	M89	7-6	0406	Sun	i.p. III = N463 UT53 45NU A3D3 T34A 7NN3 66TA 63N3 56N4 D3TN D565	CW	(JPL)
10180	M89	7-6	0909	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
9131	M89	7-6	0910	Sun	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	7-6	0910	Sun	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
10640	M89	7-6	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	7-6	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
3330	M89	7-6	1240	Sun	i.p. /24.1/1.0/..7. 6 AR. VVV CQ 63 RMKS ..D 635.. TO ..	CW	(JPL)
3777	M89	7-6	1247	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	7-6	1247	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	7-6	1249	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5801	M89	7-6	1253	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	7-6	1253	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5177	M89	7-6	1256	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3330	M89	7-6	1518	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	7-6	1519	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	7-6	1519	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
6840	M89	7-6	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	7-6	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5644	M89	7-6	1523	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4131	M89	7-6	1526	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
6840	M89	7-6	2120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	7-6	2120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5500	M89	7-6	2126	Sun	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3821	M89	7-6	2127	Sun	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
7602	M89	7-6	2127	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
5644	M89	7-6	2127	Sun	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
4131	M89	7-6	2131	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10947	M89	8-6	0808	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	8-6	0808	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
8060	M89	8-6	0813	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
6840	M89	8-6	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	8-6	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10180	M89	8-6	0826	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
8110	M89	8-6	0912	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
8060	M89	8-6	1031	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
6793	M89	8-6	1031	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
5500	M89	8-6	1033	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
10947	M89	8-6	1034	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	8-6	1034	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10180	M89	8-6	1048	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
5801	M89	8-6	1048	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3330	M89	8-6	1403	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5801	M89	8-6	1405	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	8-6	1405	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4532	M89	8-6	1406	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	8-6	1406	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	8-6	1407	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	8-6	1407	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4225	M89	8-6	1414	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5500	M89	8-6	1417	Mon	i.p. VES99 VES9 VES9 DE CSN0 CSA CSX CSX QSA? K (see N&O 213)	CW	(JPL)
3642	M89	8-6	1431	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	8-6	1431	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4131	M89	8-6	1433	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5580	M89	8-6	1436	Mon	i.p. NTAD 64D3 53AD	CW	(JPL)
5589	M89	8-6	1437	Mon	i.p. DABU 7443 ATD.	CW	(JPL)
3330	M89	8-6	1847	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	8-6	1848	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	8-6	1848	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4225	M89	8-6	1849	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
4444	M89	8-6	1851	Mon	i.p. KR3V KR3V DE PVYL PVYL QSL2 (see N&O 213)	CW	(JPL)
10947	M89	9-6	0052	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	9-6	0130	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	9-6	0130	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
8110	M89	9-6	0132	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
9131	M89	9-6	0952	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10180	M89	9-6	0954	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
6845	M89	9-6	1000	Tue	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
8858	M89	9-6	1000	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
6666	M89	9-6	1012	Tue	i.p. N5A7 DNTT U345	CW	(JPL)
6840	M89	9-6	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	9-6	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10947	M89	10-6	0243	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	10-6	0250	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
9131	M89	10-6	0829	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	10-6	0829	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
10180	M89	10-6	0840	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5801	M89	10-6	1352	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	10-6	1352	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4532	M89	10-6	1357	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	10-6	1357	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
3821	M89	10-6	1358	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	10-6	1358	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3330	M89	10-6	1400	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3330	M89	10-6	1535	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	10-6	1537	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	10-6	1537	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
5177	M89	10-6	1538	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3777	M89	10-6	1540	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	10-6	1540	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	10-6	1541	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	10-6	1541	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5177	M89	10-6	1803	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3642	M89	10-6	2048	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	10-6	2048	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3821	M89	10-6	2050	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	10-6	2050	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
9131	M89	11-6	1005	Thu	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	11-6	1005	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
6840	M89	11-6	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	11-6	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5588	M89	11-6	1026	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
8060	M89	11-6	1027	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
7602	M89	11-6	1316	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	11-6	1319	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6840	M89	11-6	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
3330	M89	11-6	1508	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	11-6	1509	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3777	M89	11-6	1511	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	11-6	1511	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	11-6	1512	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6666	M89	11-6	1513	Thu	i.p. = 5UQ BZ 7 = 5UM 7T DN5U = TU RDN7 T57UTAUT3UTNAD73A TT3A TTA6 NI 7.A. (ContÆd)	CW	(JPL)
6840	M89	11-6	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	11-6	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10180	M89	12-6	1254	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	12-6	1254	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3777	M89	12-6	1257	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	12-6	1257	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	12-6	1258	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	12-6	1259	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5801	M89	12-6	1307	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	12-6	1307	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
10145	M89	12-6	1308	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3642	M89	12-6	1553	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10145	M89	12-6	1557	Fri	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
5177	M89	12-6	1557	Fri	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
5177	M89	12-6	1846	Fri	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	12-6	1846	Fri	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
5644	M89	12-6	1848	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3777	M89	12-6	1849	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	12-6	1849	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	13-6	1111	Sat	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10640	M89	13-6	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	13-6	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10180	M89	13-6	1126	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	13-6	1540	Sat	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4131	M89	13-6	1542	Sat	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	13-6	1542	Sat	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
7602	M89	13-6	1544	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3330	M89	13-6	1628	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	13-6	1629	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	13-6	1630	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	13-6	1630	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	13-6	1631	Sat	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	13-6	1631	Sat	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4131	M89	13-6	2030	Sat	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	13-6	2030	Sat	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
7602	M89	13-6	2032	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
8858	M89	14-6	0209	Sun	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
9131	M89	14-6	0215	Sun	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	14-6	0215	Sun	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
10145	M89	14-6	0218	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
6840	M89	14-6	0220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	14-6	0220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
7602	M89	14-6	0222	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10640	M89	14-6	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	14-6	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
5644	M89	14-6	1126	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	14-6	1127	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	14-6	1130	Sun	V M8JF (x3) DE RIS9 (x2) //3777 6793 and 8060	CW	(JPL)
6793	M89	14-6	1130	Sun	V M8JF (x3) DE RIS9 (x2) //4532 3777 and 8060	CW	(JPL)
8060	M89	14-6	1130	Sun	V M8JF (x3) DE RIS9 (x2) //4532 6793 and 3777	CW	(JPL)
3777	M89	14-6	1130	Sun	V M8JF (x3) DE RIS9 (x2) //4532 6793 and 8060	CW	(JPL)
10145	M89	14-6	1138	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
10180	M89	14-6	1138	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4131	M89	14-6	1616	Sun	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	14-6	1616	Sun	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
7602	M89	14-6	1618	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	14-6	1619	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4860	M89	14-6	1620	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	14-6	1620	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
6840	M89	14-6	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	14-6	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	14-6	1721	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5500	M89	14-6	1722	Sun	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6793	M89	14-6	1723	Sun	V M8JF (x3) DE RIS9 (x2) //4532 and 3777	CW	(JPL)
3777	M89	14-6	1723	Sun	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
4532	M89	14-6	1723	Sun	V M8JF (x3) DE RIS9 (x2) //3777 4532 and 6793	CW	(JPL)
7602	M89	14-6	1725	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	14-6	1726	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5500	M89	14-6	1918	Sun	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3330	M89	14-6	1919	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
6840	M89	14-6	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	14-6	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	15-6	1627	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	15-6	1628	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3777	M89	15-6	1629	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	15-6	1629	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	15-6	1630	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	15-6	1630	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5500	M89	15-6	1632	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3330	M89	15-6	2104	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	15-6	2105	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	15-6	2105	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	15-6	2106	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	15-6	2107	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	15-6	2107	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5500	M89	15-6	2108	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6840	M89	15-6	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	15-6	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8110	M89	15-6	2352	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
10947	M89	15-6	2353	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	15-6	2353	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
9131	M89	16-6	0912	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8110	M89	16-6	0916	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6840	M89	16-6	0920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	16-6	0920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5644	M89	16-6	1200	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	16-6	1200	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3330	M89	16-6	1202	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	16-6	1204	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	16-6	1204	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5500	M89	16-6	1206	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5801	M89	16-6	1430	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	16-6	1430	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5644	M89	16-6	1432	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	16-6	1432	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3777	M89	16-6	1434	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	16-6	1434	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3330	M89	16-6	1435	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3330	M89	16-6	1522	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3821	M89	16-6	1524	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	16-6	1524	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
4532	M89	16-6	1526	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	16-6	1526	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5801	M89	16-6	1527	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
10180	M89	16-6	1527	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4131	M89	16-6	1530	Tue	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	16-6	1530	Tue	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
5641	M89	16-6	1539	Tue	i.p. C6QM/D7WR AR K. OK OK HR 7G GA CY (see N&O 213)	CW	(JPL)
5631	M89	16-6	1544	Tue	i.p. R R RPT 05W K.R RPT 09W K (see N&O 213)	CW	(JPL)
3642	M89	16-6	1810	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4131	M89	16-6	2128	Tue	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	16-6	2128	Tue	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
7602	M89	16-6	2153	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	16-6	2153	Tue	V DKG6 (x3) DE 3A7D (x2) //7692	CW	(JPL)
10947	M89	17-6	0127	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	17-6	0127	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10180	M89	17-6	0134	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	17-6	0134	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10145	M89	17-6	0137	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
6845	M89	17-6	0201	Wed	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
8858	M89	17-6	0201	Wed	CQ (x3) DE DP91 (x2) V NIL SK GB //6845	CW	(JPL)
9131	M89	17-6	0745	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	17-6	0745	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
10180	M89	17-6	0747	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	17-6	0747	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3330	M89	17-6	1913	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	17-6	1914	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	17-6	1915	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	17-6	1915	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	17-6	1917	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	17-6	1917	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
6840	M89	17-6	1920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	17-6	1920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5641	M89	17-6	1921	Wed	i.p. VV 44444 5TUT U765 T735 6633 7474 U5T7 7D47 TT73 4AUD TU3D (Cont'd)	CW	(JPL)
7602	M89	17-6	2111	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10180	M89	18-6	0425	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10145	M89	18-6	0426	Thu	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
10640	M89	18-6	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	18-6	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
9131	M89	18-6	1122	Thu	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	18-6	1122	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
5588	M89	18-6	1125	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	18-6	1126	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5801	M89	18-6	1136	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	18-6	1136	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
10145	M89	18-6	1137	Thu	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
10180	M89	18-6	1147	Thu	QRW 4210 QRW L19 = SVC ZRW 4210 QRW L1841902100 COMM 3620 AR	CW	(JPL)
8746	M89	18-6	1159	Thu	VVV VVV VVV 4GN 4GN 4GN DE DE QJ7 QJ7	CW	(JPL)
3330	M89	18-6	1548	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5644	M89	18-6	1551	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	18-6	1600	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	18-6	1600	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10145	M89	18-6	1601	Thu	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
4131	M89	18-6	1601	Thu	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
4367	M89	18-6	1609	Thu	i.p. NR 1973/EX 0009 BT BHM1/.45T AR QSY 10 QSY 10 VVV	CW	(JPL)
4638	M89	18-6	1612	Thu	i.p. /35. AR QSW LW QSY VVV	CW	(JPL)
4731	M89	18-6	1614	Thu	K1AS FFF NR 1048/EX 0415 = C1T2/B2L5 AR NR 1048/EX 0415 = C1T2/B2L5 AR QSY 10 QSY 10 VVV	CW	(JPL)
4731	M89	18-6	1614	Thu	K1AS FF NR 1028/EX 0015 = MS12/GJL5 AR NR 1028/EX 0015 = M.J2/G2L5 AR QSY 12 QSY 12 VVV	CW	(JPL)
4381	M89	18-6	1621	Thu	i.p. QSY 17 QSY 17 VVV	CW	(JPL)
4371	M89	18-6	1622	Thu	i.p. UYS3 FF NR 1031/EX 0024 BT F1G5/RT0L AR QSY 19 QSY 19 VVV	CW	(JPL)
4363	M89	18-6	1625	Thu	i.p. QSY QSY 12 QSY 12 QSY 12 VVV	CW	(JPL)
4322	M89	18-6	1626	Thu	i.p. NR 1979/EX 0027 BT WK36/BTJ5 AR SK SK	CW	(JPL)
6840	M89	18-6	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
4860	M89	18-6	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	18-6	1826	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	18-6	1828	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	18-6	1828	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
5644	M89	18-6	1829	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4532	M89	18-6	1832	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
4170	M89	18-6	1848	Thu	i.p. 5A37 N473 6.A3 NA6A 6T57 4T64 K. E R N	CW	(JPL)
4131	M89	18-6	1852	Thu	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	18-6	1852	Thu	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
5644	M89	18-6	1913	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	18-6	1913	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4532	M89	18-6	1915	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	18-6	1915	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4757	M89	18-6	2006	Thu	K1AS NR 1131 0406 BT M4DE/VB. A QSY 04 QSY 04 VVV	CW	(JPL)
4358	M89	18-6	2010	Thu	i.p. FFF NR 1872/EX 0409 BT 6339/.054 AR QSY 10 QSY 10 VVV	CW	(JPL)
4394	M89	18-6	2012	Thu	i.p. NR 1731/EX 0409 AR QSY NO QSY NO QSY 19 VVV	CW	(JPL)
4711	M89	18-6	2017	Thu	i.p. NR 1016/EX 0415 BT N7 QSY 12 QSY 12 VVV	CW	(JPL)
4367	M89	18-6	2018	Thu	i.p. NR 1999/EX 0418 BT WVQ1/BTP2 AR QSY 06 QSY 06 VVV	CW	(JPL)
8858	M89	19-6	0158	Fri	CQ (x3) DE DP91 (x2) V //6983	CW	(JPL)
6983	M89	19-6	0204	Fri	CQ (x3) DE DP91 (x2) V HNIL SK GB //8858	CW	(JPL)
6793	M89	19-6	0942	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
10180	M89	19-6	0952	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10145	M89	19-6	0953	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
9131	M89	19-6	0954	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
3330	M89	19-6	1208	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	19-6	1210	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	19-6	1210	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5500	M89	19-6	1211	Fri	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
8073	M89	19-6	1213	Fri	i.p. = U = 7773 N773 T3T 773 357 367 4AA C3 447 474 (see N&O 213)	CW	(JPL)
6840	M89	19-6	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	19-6	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10145	M89	19-6	1234	Fri	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
5177	M89	19-6	1234	Fri	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
5801	M89	19-6	1235	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	19-6	1235	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5644	M89	19-6	1237	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5442	M89	19-6	1405	Fri	i.p. 3W6500 = 445U 36TTTT6TTTTT.363U4TUTDTNA AR K	CW	(JPL)
5631	M89	19-6	1414	Fri	i.p. GA HR MSG GA NR NR 9.44 CK 300 .2 0619 2200 RMKS KQK	CW	(JPL)
3330	M89	19-6	1519	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
6840	M89	19-6	1520	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	19-6	1520	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
7602	M89	19-6	1520	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	19-6	1520	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4131	M89	19-6	1523	Fri	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10145	M89	19-6	1523	Fri	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
5165	M89	19-6	1527	Fri	i.p. MSG NR 150 CK 121 16 0619 2200 RMKS	CW	(JPL)
4860	M89	20-6	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	20-6	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5801	M89	20-6	1325	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	20-6	1325	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
3330	M89	20-6	1327	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4225	M89	20-6	1329	Sat	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6793	M89	20-6	1331	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
4532	M89	20-6	1331	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
3777	M89	20-6	1331	Sat	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
5644	M89	20-6	1333	Sat	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	20-6	1333	Sat	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3330	M89	20-6	1512	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	20-6	1513	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	20-6	1513	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
4532	M89	20-6	1514	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	20-6	1514	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3821	M89	20-6	1515	Sat	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	20-6	1515	Sat	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
4225	M89	20-6	1516	Sat	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6840	M89	20-6	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	20-6	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
7602	M89	21-6	1929	Sun	V DKG6 DKG6 DKG6 DE 3A7D 3A7D	CW	(Danix)
3330	M89	22-6	1547	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	22-6	1549	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3821	M89	22-6	1550	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	22-6	1550	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5500	M89	22-6	1551	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
10180	M89	22-6	1553	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	22-6	1553	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
5641	M89	22-6	1555	Mon	i.p. 3AT5 4DU7 3U6T 3AD6 4UN5 T36D 4TU5	CW	(JPL)
3330	M89	22-6	1727	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5801	M89	22-6	1728	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	22-6	1728	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
3777	M89	22-6	1729	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3821	M89	22-6	1730	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	22-6	1730	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5500	M89	22-6	1731	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
4131	M89	22-6	1733	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
8073	M89	22-6	1814	Mon	DE VFSK VFSK RPT 4K VFSK R 743 K	CW	(JPL)
8073	M89	22-6	1814	Mon	SWPT SWPT SWPT DE XQJD XQJD OK QTA 743 K	CW	(JPL)
4860	M89	22-6	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	22-6	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
10145	M89	22-6	1822	Mon	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
4131	M89	22-6	1822	Mon	V JKDJ (x3) DE SLBC (x2) //10145	CW	(JPL)
10180	M89	22-6	1823	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	22-6	1823	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3330	M89	22-6	1827	Mon	i.p. 4UDN III BT 35DD	CW	(JPL)
3777	M89	22-6	1828	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	22-6	1829	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	22-6	1829	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5500	M89	22-6	1830	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5641	M89	22-6	1835	Mon	i.p. VV NW7Y DE V9CX K. R DE U4MB K (see N&O 213)	CW	(JPL)
5644	M89	22-6	2142	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4131	M89	22-6	2144	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4225	M89	22-6	2145	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5801	M89	22-6	2146	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10180	M89	23-6	1111	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	23-6	1113	Tue	V DKSL (x3) DE ALSK (x2) //N/H	CW	(JPL)
5500	M89	23-6	1115	Tue	V 7NPE (x3) DE QV5B (x2) //N/H	CW	(JPL)
10640	M89	23-6	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	23-6	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
3721	M89	23-6	1135	Tue	i.p. 7G = 7G NR 5721 CK 500 77 0623 0935 RMKS 4.... R K	CW	(JPL)
5801	M89	23-6	1152	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
5801	M89	23-6	1152	Tue	i.p. 05 05 05 = 5D3AM43ATA.7A53UTATA3AABT =	CW	(JPL)
10180	M89	23-6	1152	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
3821	M89	23-6	1159	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	23-6	1159	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3330	M89	23-6	1200	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	23-6	1202	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	23-6	1202	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5801	M89	23-6	1204	Tue	i.p. 5D3 ATT547A5333ATA35T3AU (see N&O 213)	CW	(JPL)
3330	M89	23-6	1531	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	23-6	1532	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	23-6	1532	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3821	M89	23-6	1534	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	23-6	1534	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5500	M89	23-6	1535	Tue	V 7NPE (x3) DE QV5B (x2) //N/H	CW	(JPL)
3777	M89	23-6	1536	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
4532	M89	23-6	1536	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3330	M89	23-6	1925	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5801	M89	23-6	1926	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	23-6	1926	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
3777	M89	23-6	1927	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	23-6	1927	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	23-6	1928	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	23-6	1928	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
6793	M89	23-6	2231	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8060	M89	23-6	2231	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
10947	M89	24-6	0848	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	24-6	0848	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
8060	M89	24-6	0854	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
6793	M89	24-6	0854	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8061	M89	24-6	0855	Wed	i.p. R RPT 70W = N556 N556 AR K. R RPT 1W = 4U4A AR K. R SK	CW	(JPL)
8061	M89	24-6	0918	Wed	i.p. GA R RPT 10W K. R RPT 10W K. R RPT 6W K. R R QSL 1727 K. R SK GB	CW	(JPL)
10640	M89	24-6	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	24-6	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8061	M89	24-6	0930	Wed	i.p. DE HKT4 HKT4 K (see N&O 213)	CW	(JPL)
10180	M89	24-6	1104	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	24-6	1106	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6793	M89	24-6	1108	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8060	M89	24-6	1108	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
6840	M89	24-6	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	24-6	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	24-6	2023	Wed	VVV Q2M Q2M Q2M DE NYZ NYZ	CW	(Danix)
10180	M89	25-6	1125	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3721	M89	25-6	1150	Thu	i.p. OBS GET GET BT GET GET OBS .. (see N&O 213)	CW	(JPL)
5644	M89	25-6	1206	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	25-6	1206	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3330	M89	25-6	1629	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	25-6	1631	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	25-6	1631	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4532	M89	25-6	1632	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3821	M89	25-6	1634	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
9131	M89	26-6	0804	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	26-6	0804	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
6793	M89	26-6	0807	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
10640	M89	26-6	0820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	26-6	0820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8073	M89	26-6	1148	Fri	i.p. 773 356 4ad NN3 444 3DU 4DT 4D6 TUT (see N&O 213)	CW	(JPL)
9131	M89	26-6	1158	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10180	M89	26-6	1159	Fri	V DKG6 (x3) DE 3A7D (x2) //N/H	CW	(JPL)
10145	M89	26-6	1200	Fri	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
3330	M89	26-6	1202	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	26-6	1204	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	26-6	1204	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5555	M89	26-6	1302	Fri	i.p. T7N5 3N5N 63T4 AU65 3UAN 5336 AR = 34TA 643N 476N (Cont'd)	CW	(JPL)
10947	M89	26-6	1584	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
3330	M89	26-6	1717	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	26-6	1718	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3777	M89	26-6	1719	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	26-6	1719	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
4860	M89	26-6	1720	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	26-6	1720	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
10145	M89	26-6	1728	Fri	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
9131	M89	26-6	1729	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	26-6	1729	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
3330	M89	26-6	1919	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4860	M89	26-6	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	26-6	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
7602	M89	26-6	1921	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
9131	M89	26-6	1922	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	26-6	1922	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
3777	M89	26-6	1925	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	26-6	1925	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
10145	M89	26-6	2319	Fri	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
10640	M89	26-6	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	26-6	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
10947	M89	27-6	1037	Sat	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	27-6	1037	Sat	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
5588	M89	27-6	1038	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
6793	M89	27-6	1040	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8060	M89	27-6	1040	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
10640	M89	27-6	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	27-6	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
3330	M89	27-6	1222	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5644	M89	27-6	1223	Sat	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3777	M89	27-6	1223	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	27-6	1223	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
9131	M89	28-6	2004	Sun	V DKSL DKSL DKSL DE ALSK ALSK	CW	(Danix)
3330	M89	30-6	1259	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	30-6	1301	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	30-6	1301	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	30-6	1303	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	30-6	1303	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5500	M89	30-6	1305	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5801	M89	30-6	1309	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
6840	M89	30-6	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	30-6	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	30-6	1807	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	30-6	1808	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	30-6	1808	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3821	M89	30-6	1809	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	30-6	1809	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3777	M89	30-6	1810	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	30-6	1810	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
4860	M89	30-6	1820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	30-6	1820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	30-6	2038	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	30-6	2040	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	30-6	2040	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4532	M89	30-6	2041	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	30-6	2041	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	30-6	2042	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	30-6	2042	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5153.8	MX	3-6	0608	Wed	Beacon "P"	CW	(AB)
8497.8	MX	3-6	2112	Wed	Beacon "L"	CW	(AB)
6917.5	MX	3-6	2112	Wed	Beacon "L"	CW	(AB)
16331.8	MX	5-6	1204	Fri	Beacon "P" Kaliningrad	CW	(AB)
16331.9	MX	5-6	1204	Fri	Beacon "S" Severomorsk	CW	(AB)
16332	MX	5-6	1204	Fri	Beacon "C" Moscow	CW	(AB)
16331.7	MX	5-6	1204	Fri	Beacon "D" Sevastopol	CW	(AB)
20047.8	MX	5-6	1204	Fri	Beacon "P" Kaliningrad	CW	(AB)
20048	MX	5-6	1204	Fri	Beacon "C" Moscow	CW	(AB)
13258	MX	5-6	1205	Fri	Beacon "C" Moscow	CW	(AB)
13527.7	MX	5-6	1205	Fri	Beacon "D" Sevastopol	CW	(AB)
13528.4	MX	5-6	1205	Fri	Beacon "M" Magadan	CW	(AB)
10871.7	MX	5-6	1206	Fri	Beacon "D" Sevastopol	CW	(AB)
10871.9	MX	5-6	1206	Fri	Beacon "S" Severomorsk	CW	(AB)
10871.9	MX	6-6	0030	Sat	Beacon "S" Severomorsk	CW	(Dan)
16332.4	MX	7-6	0629	Sun	Beacon "M" Magadan	CW	(AB)
16332.3	MX	7-6	0629	Sun	Beacon "K" Petropavlovsk Kamchatskiy	CW	(AB)
16331.8	MX	7-6	0629	Sun	Beacon "P" Kaliningrad	CW	(AB)

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16332.2	MX	7-6	0629	Sun	Beacon "F" Vladivostok	CW	(AB)
16331.9	MX	7-6	0629	Sun	Beacon "S" Severomorsk	CW	(AB)
16332	MX	7-6	0629	Sun	Beacon "C" Moscow	CW	(AB)
16331.7	MX	7-6	0629	Sun	Beacon "D" Sevastopol	CW	(AB)
16174.7	MX	7-6	1154	Sun	Beacon "D" Sevastopol	CW	(AB)
7508.7	MX	7-6	1710	Sun	Beacon "D" Sevastopol	CW	(AB)
6917.5	MX	8-6	1922	Mon	Beacon "L"	CW	(AB)
6917.5	MX	10-6	2100	Wed	Beacon "L"	CW	(JPL-Sib)
6917.5	MX	19-6	1235	Fri	Beacon "L"	CW	(AB)
16331.7	MX	21-6	1450	Sun	Beacon "D" Odessa/Sevastopol	CW	(MPJ)
16331.9	MX	21-6	1451	Sun	Beacon "S" Severomorsk	CW	(MPJ)
16332	MX	21-6	1452	Sun	Beacon "C" Moscow	CW	(MPJ)
7508.7	MX	21-6	1922	Sun	Beacon "D" Odessa/Sevastopol	CW	(MPJ)
8494.7	MX	21-6	1923	Sun	Beacon "D" Odessa/Sevastopol	CW	(MPJ)
8494.9	MX	21-6	1925	Sun	Beacon "S" Severomorsk	CW	(MPJ)
8495	MX	21-6	1925	Sun	Beacon "C" Moscow	CW	(MPJ)
6917.5	MX	23-6	1928	Tue	Beacon "L"	CW	(AB)
8497.7	MX	27-6	1415	Sat	Beacon "L"	CW	(AB)
6917.5	MX	27-6	1415	Sat	Beacon "L"	CW	(AB)
6480	POL	1-6	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	1-6	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	1-6	0815	Mon	0446 88888 88888 42473 84873 58273 ... 68316 88888 88888 00039 00039	FSK 100/625	(AB)
13046	POL	1-6	0820	Mon	0446 88888 88888 42473 84873 58273 ... 68316 88888 88888 00039 00039	FSK 100/625	(AB)
13424	POL	1-6	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	1-6	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16388	POL	1-6	1000	Mon	Polish intel. Barely audible	FSK 100/625	(AB)
16388	POL	1-6	1000	Mon	Polish intel. Barely audible	FSK 100/625	(AB)
7837	POL	1-6	1305	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	1-6	1310	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	2-6	0630	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	2-6	0630	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	2-6	0655	Tue	0684 88888 88888 15038 01858 79302 ... 60407 34768 17214 88888 88888 00040 00040	FSK 100/625	(AB)
14575	POL	2-6	0700	Tue	0684 88888 88888 15038 01858 79302 ... 60407 34768 17214 88888 88888 00040 00040	FSK 100/625	(AB)
14940	POL	2-6	0730	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	2-6	0735	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	2-6	1005	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	2-6	1010	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9576	POL	2-6	1030	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9576	POL	2-6	1035	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	3-6	0530	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	3-6	0535	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9576	POL	3-6	1030	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9576	POL	3-6	1035	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	3-6	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)

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7837	POL	3-6	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8456	POL	4-6	0300	Thu	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8456	POL	4-6	0305	Thu	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	4-6	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	4-6	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	4-6	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	4-6	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	4-6	1305	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	4-6	1310	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	5-6	0530	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	5-6	0535	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	5-6	0655	Fri	0684 88888 88888 15038 01858 79302 ... 60407 34768 17214 88888 88888 00040 00040	FSK 100/625	(AB)
14575	POL	5-6	0700	Fri	0684 88888 88888 15038 01858 79302 ... 60407 34768 17214 88888 88888 00040 00040	FSK 100/625	(AB)
13046	POL	5-6	0815	Fri	0446 88888 88888 42473 84873 58273 ... 85418 21538 68316 88888 88888 00039 00039	FSK 100/625	(AB)
13046	POL	5-6	0820	Fri	0446 88888 88888 42473 84873 58273 ... 85418 21538 68316 88888 88888 00039 00039	FSK 100/625	(AB)
8423	POL	5-6	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	5-6	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	5-6	1005	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	5-6	1010	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	5-6	1405	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	5-6	1410	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	7-6	1405	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	7-6	1410	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16005	POL	7-6	1525	Sun	Polish Intel.	FSK 100/625	(AB)
16005	POL	7-6	1530	Sun	Polish Intel.	FSK 100/625	(AB)
6480	POL	8-6	0800	Mon	0434 88888 88888 00361 10320 48915 ... 76672 92134 25955 88888 88888 00034 00034	FSK 100/625	(AB)
6480	POL	8-6	0805	Mon	0434 88888 88888 00361 10320 48915 ... 76672 92134 25955 88888 88888 00034 00034	FSK 100/625	(AB)
13046	POL	8-6	0815	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	8-6	0820	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	8-6	0845	Mon	0353 88888 88888 75906 40096 47099 ... 58029 61345 75445 88888 88888 00040 00040	FSK 100/625	(AB)
13424	POL	8-6	0850	Mon	0353 88888 88888 75906 40096 47099 ... 58029 61345 75445 88888 88888 00040 00040	FSK 100/625	(AB)
16005	POL	8-6	1525	Mon	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16005	POL	8-6	1530	Mon	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	9-6	0630	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
13470	POL	9-6	0635	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	9-6	0655	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	9-6	0700	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	9-6	0730	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	9-6	0735	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	9-6	0900	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	9-6	0905	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	9-6	1005	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	9-6	1010	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9576	POL	9-6	1030	Tue	0325 88888 88888 28404 59181 50090 ... 44056 10033 81431 88888 88888 00038 00038	FSK 100/625	(AB)
9576	POL	9-6	1035	Tue	0325 88888 88888 28404 59181 50090 ... 44056 10033 81431 88888 88888 00038 00038	FSK 100/625	(AB)
13537	POL	10-6	0530	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	10-6	0535	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	10-6	0845	Wed	0353 88888 88888 75906 40096 47099 ... 58029 61345 75445 88888 88888 00040 00040	FSK 100/625	(AB)
13424	POL	10-6	0850	Wed	0353 88888 88888 75906 40096 47099 ... 58029 61345 75445 88888 88888 00040 00040	FSK 100/625	(AB)
9675	POL	10-6	1030	Wed	0325 88888 88888 28404 59181 50090 ... 44056 10033 81431 88888 88888 00038 00038	FSK 100/625	(AB)
9675	POL	10-6	1035	Wed	0325 88888 88888 28404 59181 50090 ... 44056 10033 81431 88888 88888 00038 00038	FSK 100/625	(AB)
7837	POL	10-6	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	10-6	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8456	POL	11-6	0300	Thu	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8456	POL	11-6	0305	Thu	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	11-6	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	11-6	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	11-6	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	11-6	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	11-6	0800	Thu	0434 88888 88888 00361 10320 48915 ... 76672 92134 25955 88888 88888 00034 00034	FSK 100/625	(AB)
6480	POL	11-6	0805	Thu	0434 88888 88888 00361 10320 48915 ... 76672 92134 25955 88888 88888 00034 00034	FSK 100/625	(AB)
7727	POL	11-6	1305	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	11-6	1310	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	12-6	0530	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	12-6	0535	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	12-6	0655	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	12-6	0700	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	12-6	0815	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
13046	POL	12-6	0820	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	12-6	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	12-6	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	12-6	1005	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 003 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	12-6	1010	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 003 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	12-6	1410	Fri	0877 88888 88888 01586 too weak to decode	FSK 100/625	(AB)
14972	POL	12-6	1410	Fri	0877 88888 88888 01586 too weak to decode	FSK 100/625	(AB)
7727	POL	14-6	1305	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	14-6	1310	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	14-6	1405	Sun	0877 88888 88888 01586 71395 87496 ... 16918 14820 80596 88888 88888 00037 00037	FSK 100/625	(AB)
14972	POL	14-6	1410	Sun	0877 88888 88888 01586 71395 87496 ... 16918 14820 80596 88888 88888 00037 00037	FSK 100/625	(AB)
16005	POL	14-6	1525	Sun	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16005	POL	14-6	1530	Sun	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	15-6	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	15-6	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	15-6	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	15-6	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	15-6	1305	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	15-6	1310	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	16-6	0630	Tue	0574 88888 88888 06794 37400 ... 14362 75414 67703 88888 88888 00039 00039	FSK 100/625	(AB)
13470	POL	16-6	0635	Tue	0574 88888 88888 06794 37400 ... 14362 75414 67703 88888 88888 00039 00039	FSK 100/625	(AB)
14575	POL	16-6	0655	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 000000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	16-6	0700	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 000000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	16-6	0730	Tue	0433 88888 88888 37712 30279 12978 ... 66050 56775 67025 94435 88888 88888 00040 00040	FSK 100/625	(AB)
14940	POL	16-6	0735	Tue	0433 88888 88888 37712 30279 12978 ... 66050 56775 67025 94435 88888 88888 00040 00040	FSK 100/625	(AB)
8423	POL	16-6	0900	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	16-6	0905	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	16-6	1005	Tue	0675 88888 88888 49278 51422 13414 ... 37115 53682 08602 88888 88888 00042 00042	FSK 100/625	(AB)
12067	POL	16-6	1010	Tue	0675 88888 88888 49278 51422 13414 ... 37115 53682 08602 88888 88888 00042 00042	FSK 100/625	(AB)
9576	POL	16-6	1030	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9576	POL	16-6	1035	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	17-6	0530	Wed	0453 88888 88888 81602 18955 14303 ... 42463 51105 37974 88888 88888 00038 00038	FSK 100/625	(AB)
13537	POL	17-6	0535	Wed	0453 88888 88888 81602 18955 14303 ... 42463 51105 37974 88888 88888 00038 00038	FSK 100/625	(AB)
9576	POL	17-6	1030	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
9576	POL	17-6	1035	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	17-6	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	17-6	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	18-6	0630	Thu	0574 88888 88888 06794 37400 35994 ... 14362 75414 67703 88888 88888 0039 00039	FSK 100/625	(AB)
13470	POL	18-6	0635	Thu	0574 88888 88888 06794 37400 35994 ... 14362 75414 67703 88888 88888 0039 00039	FSK 100/625	(AB)
14940	POL	18-6	0730	Thu	0433 88888 88888 37712 30279 12978 ... 56775 67025 94435 88888 88888 00040 00040	FSK 100/625	(AB)
14940	POL	18-6	0735	Thu	0433 88888 88888 37712 30279 12978 ... 56775 67025 94435 88888 88888 00040 00040	FSK 100/625	(AB)
13537	POL	19-6	0530	Fri	0453 88888 88888 81602 18955 14303 ... 42463 51105 37974 88888 88888 00038 00038	FSK 100/625	(AB)
13537	POL	19-6	0535	Fri	0453 88888 88888 81602 18955 14303 ... 42463 51105 37974 88888 88888 00038 00038	FSK 100/625	(AB)
14575	POL	19-6	0655	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	19-6	0700	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	19-6	0815	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	19-6	0820	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	19-6	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	19-6	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	19-6	1005	Fri	0675 88888 88888 49468 51422 13414 ... 37115 53682 08602 88888 88888 00042 00042	FSK 100/625	(AB)
12067	POL	19-6	1010	Fri	0675 88888 88888 49468 51422 13414 ... 37115 53682 08602 88888 88888 00042 00042	FSK 100/625	(AB)
14972	POL	19-6	1405	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	19-6	1410	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	21-6	1305	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	21-6	1310	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	21-6	1405	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	21-6	1410	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	22-6	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	22-6	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	22-6	0815	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	22-6	0820	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	22-6	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	22-6	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16388	POL	22-6	1000	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16388	POL	22-6	1005	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	22-6	1305	Mon	0547 88888 88888 44137 21423 45889 ... 97659 06339 78993 88888 88888 00039 00039	FSK 100/625	(AB)
7837	POL	22-6	1310	Mon	0547 88888 88888 44137 21423 45889 ... 97659 06339 78993 88888 88888 00039 00039	FSK 100/625	(AB)
14575	POL	23-6	0655	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14575	POL	23-6	0700	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	23-6	1005	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	23-6	1010	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8456	POL	24-6	0300	Wed	Polish Intel.	FSK 100/625	(AB)
8456	POL	24-6	0305	Wed	Polish Intel.	FSK 100/625	(AB)
13537	POL	24-6	0530	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	24-6	0535	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	24-6	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	24-6	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	24-6	1305	Wed	0547 88888 88888 52137 21423 45889 ... 97659 06339 78993 88888 88888 00039 00039	FSK 100/625	(AB)
7837	POL	24-6	1310	Wed	0547 88888 88888 52137 21423 45889 ... 97659 06339 78993 88888 88888 00039 00039	FSK 100/625	(AB)
8456	POL	25-6	0300	Thu	Polish Intel.	FSK 100/625	(AB)
8456	POL	25-6	0305	Thu	Polish Intel.	FSK 100/625	(AB)
13470	POL	25-6	0630	Thu	Polish Intel.	FSK 100/625	(AB)
13470	POL	25-6	0635	Thu	Polish Intel.	FSK 100/625	(AB)
14940	POL	25-6	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	25-6	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	25-6	0800	Thu	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	25-6	0805	Thu	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16388	POL	25-6	1000	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16388	POL	25-6	1005	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	25-6	1305	Thu	0437 88888 88888 06917 28938 48880 ... 05286 80913 55942 88888 88888 00034 00034	FSK 100/625	(AB)
7727	POL	25-6	1310	Thu	0437 88888 88888 06917 28938 48880 ... 05286 80913 55942 88888 88888 00034 00034	FSK 100/625	(AB)
13537	POL	26-6	0530	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	26-6	0535	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	26-6	0815	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 0000000000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	26-6	0820	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 0000000000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	26-6	0900	Fri	0554 88888 88888 26158 99020 16017 ... 86478 46750 42539 88888 88888 00035 00035	FSK 100/625	(AB)
8423	POL	26-6	0905	Fri	0554 88888 88888 26158 99020 16017 ... 86478 46750 42539 88888 88888 00035 00035	FSK 100/625	(AB)
12067	POL	26-6	1005	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12067	POL	26-6	1010	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7727	POL	28-6	1305	Sun	0437 88888 88888 06917 28938 48880 ... 05286 80913 55942 88888 88888 00034 00034	FSK 100/625	(AB)
7727	POL	28-6	1310	Sun	0437 88888 88888 06917 28938 48880 ... 05286 80913 55942 88888 88888 00034 00034	FSK 100/625	(AB)
14972	POL	28-6	1405	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14972	POL	28-6	1410	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6480	POL	29-6	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
6480	POL	29-6	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	29-6	0815	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13046	POL	29-6	0820	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	29-6	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	29-6	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16388	POL	29-6	1000	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16388	POL	29-6	1005	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	29-6	1305	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	29-6	1310	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	30-6	0655	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14575	POL	30-6	0700	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	30-6	0730	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14940	POL	30-6	0735	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	30-6	0900	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8423	POL	30-6	0905	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12607	POL	30-6	1005	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
12607	POL	30-6	1010	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15721	S06	2-6	0400	Tue	480 539 60 88795 52950 89013 ... 53125 81890 20009 539 60 00000	USB	(AB)
15721	S06	3-6	0400	Wed	480 127 60 78421	USB	(HFD)
15721	S06	4-6	0400	Thu	480 127 60 78421 67195 87500 ... 60942 44741 55224 127 60 00000	AM	(AB)
15721	S06	4-6	0406	Thu	480 969 50 57278 28893 93395 ... 46634 43817 42807 969 50 00000	USB	(AB)
8167	S06	13-6	1600	Sat	491 0	USB	(HFD)
15721	S06	19-6	0400	Fri	480 251 60 28264 71953 94166 ... 53195 04669 91908 251 60 00000	USB	(AB)
15721	S06	22-6	0400	Mon	480 769 50 20818 93654 29001 ... 41456 97622 23412 769 50 00000	USB	(AB)
8221	S06s	1-6	0830	Mon	371 502 6 38054 35856 45354 38778 36510 32382 502 6 00000	USB	(AB)
8221	S06s	1-6	0830	Mon	371 502 6 38054	USB	(HFD)
9353	S06s	1-6	0840	Mon	371 502 6 38054 35856 45354 38778 36510 32382 502 6 00000	USB	(AB)
16380	S06s	1-6	0900	Mon	872 503 6 48641 37450 47782 503 6 00000	USB	(AB)
14835	S06s	1-6	0910	Mon	872 unreadable	USB	(AB)
10230	S06s	1-6	1200	Mon	831 504 6 31139 37392 42978 37931 35610 37473 504 6 00000	USB	(AB)
12165	S06s	1-6	1210	Mon	831 504 6 31139 37392 42978 37931 35610 37473 504 6 00000	USB	(AB)
16945	S06s	2-6	0610	Tue	438 510 6 39786 35782 82363 42424 32932 41372 510 6 00000	USB	(AB)
6780	S06s	2-6	0715	Tue	374 806 5 39746 37407 42648 82321 40945 806 5 00000	USB	(AB)
7365	S06s	2-6	0730	Tue	427 915 6 47464 47479 39786 35782 82363 42424 915 6 00000	AM	(AB)
11655	S06s	2-6	0740	Tue	427 915 6 47464 47479 39786 35782 82363 42424 915 6 00000	AM	(AB)
14375	S06s	2-6	0800	Tue	352 840 6 43974 42423 35066 32831 31737 34194 523 840 6 00000	USB	(AB)
12935	S06s	2-6	0810	Tue	352 840 6 43974 42423 35066 32831 31737 34194 523 840 6 00000	USB	(AB)
6810	S06s	2-6	1100	Tue	754 931 6 48850 68867 20333 x8673 48797 18672 931 6 00000	USB	(AB)
7560	S06s	2-6	1110	Tue	754 931 6 48850 68867 20333 x8673 48797 18672 931 6 00000	USB	(AB)
7744	S06s	2-6	1510	Tue	537 410 6 43974 42423 35056 32831 31737 34194 410 6 00000	USB	(AB)
9485	S06s	3-6	0820	Wed	471 830 5 33796 13577 74526 46647 79302 830 5 00000	USB	(AB)
11085	S06s	3-6	0830	Wed	471 830 5 33796 13577 74526 46647 79302 830 5 00000	USB	(AB)
14580	S06s	3-6	1000	Wed	729 410 5 88620 58069 61732 74537 57440 410 5 00000	AM	(AB)
16020	S06s	3-6	1010	Wed	729 410 5 88620 58069 61732 74537 57440 410 5 00000	AM	(AB)
13145	S06s	4-6	1200	Thu	425 831 6 33584 40485 46170 43306 37796 85258 831 6 00000	AM	(AB)
14535	S06s	4-6	1210	Thu	425 831 6 33584 40485 46170 43306 37796 85258 831 6 00000	AM	(AB)
9655	S06s	5-6	0940	Fri	516 803 7 64930 98706 12452 96740 14056 65830 01755 803 7 00000	USB	(AB)
16320	S06s	7-6	0630	Sun	524 987 6 46062 68672 97478 39685 30485 96632 987 6 00000	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14875	S06s	7-6	0640	Sun	524 987 6 46062 68672 97478 39685 30485 96632 987 6 00000	USB	(AB)
8221	S06s	8-6	0830	Mon	371 502 6 38054 35856 45354 48778 36510 32382 502 6 00000	USB	(AB)
9353	S06s	8-6	0840	Mon	371 502 6 38054 35856 45354 48778 36510 32382 502 6 00000	USB	(AB)
16380	S06s	8-6	0900	Mon	872 503 6 48641 37450 47782 37739 34743 36563 503 6 00000	USB	(AB)
10230	S06s	8-6	1200	Mon	831 504 6 31139 37392 42978 37931 35610 37473 504 6 00000	USB	(AB)
12165	S06s	8-6	1210	Mon	831 504 6 31139 37392 42978 37931 35610 37473 504 6 00000	USB	(AB)
7365	S06s	9-6	0730	Tue	427 915 6 47464 47479 39786 35782 82363 42424 915 6 00000	AM	(AB)
11655	S06s	9-6	0740	Tue	427 915 6 47464 47479 39786 35782 82363 42424 915 6 00000	AM	(AB)
14373	S06s	9-6	0800	Tue	352 840 6 43974 42423 35056 32831 31737 34194 840 6 00000	USB	(AB)
12935	S06s	9-6	0810	Tue	352 840 6 43974 42423 35056 32831 31737 34194 840 6 00000	USB	(AB)
7560	S06s	9-6	1110	Tue	754 n31 n 48850 unreadable	USB	(AB)
12560	S06s	10-6	0540	Wed	464 218 5 42997 94184 47374 74154 08531 218 5 00000	USB	(AB)
14977	S06s	10-6	0740	Wed	745 903 6 52401 63919 92699 14600 74248 65125 903 6 00000	AM	(AB)
11085	S06s	10-6	0830	Wed	471 830 5 33796 13577 74526 46647 79302 830 5 00000	USB	(AB)
14580	S06s	10-6	1000	Wed	729 410 5 88620 58069 61732 74537 57440 410 5 00000	USB	(AB)
16020	S06s	10-6	1010	Wed	729 410 5 88620 58069 61732 74537 57440 410 5 00000	USB	(AB)
14535	S06s	11-6	1210	Thu	425 831 6 33584 40485 46170 43306 37796 85258 831 6 00000	USB	(AB)
7845	S06s	12-6	0600	Fri	196 835 7 37184 36129 33983 83321 85246 32993 32539 835 7 00000	USB	(AB)
9125	S06s	12-6	0610	Fri	196 835 7 37184 36129 33983 83321 85246 32993 32539 835 7 00000	USB	(AB)
10290	S06s	12-6	0930	Fri	516 803 7 64930 98706 12452 96740 14056 65830 01755 803 7 00000	USB	(AB)
9655	S06s	12-6	0940	Fri	516 803 7 64930 98706 12452 96740 14056 65830 01755 803 7 00000	USB	(AB)
14875	S06s	14-6	0640	Sun	524 987&6 46062	USB	(HFD)
16380	S06s	15-6	0900	Mon	872 910 5 33760 46632 80233 36973 38084 910 5 00000	USB	(AB)
14835	S06s	15-6	0910	Mon	872 910 5 33760 46632 80233 36973 38084 910 5 00000	USB	(AB)
6780	S06s	16-6	0715	Tue	374 860 5 37805 33322 36248 32702 53623 860 5 00000	USB	(AB)
7365	S06s	16-6	0730	Tue	427 593 6 88613 39362 31811 44806 30780 40618 593 6 00000	AM	(AB)
11655	S06s	16-6	0740	Tue	427 593 6 88613 39362 31811 44806 30780 40618 593 6 00000	AM	(AB)
12560	S06s	17-6	0540	Wed	464 903 5 35813 35212 43851 45385 49844 903 5 00000	AM	(AB)
14580	S06s	17-6	1000	Wed	729 540 6 32527 36393 36783 86934 43133 30314 540 6 00000	AM	(AB)
16020	S06s	17-6	1010	Wed	729 540 6 32527 36393 36783 86934 43133 30314 540 6 00000	AM	(AB)
10290	S06s	19-6	0930	Fri	516 207 8 46062 68672 97478 39685 30485 96632 52537 53317 207 8 00000	AM	(AB)
9655	S06s	19-6	0940	Fri	516 207 8 46062 68672 97478 39685 30485 96632 52537 53317 207 8 00000	AM	(AB)
16320	S06s	21-6	0630	Sun	524 981 6 46800 37901 43784 34114 30527 30953 981 6 00000	USB	(AB)
14875	S06s	21-6	0640	Sun	524 981 6 46800 37901 43784 34114 30527 30953 981 6 00000	USB	(AB)
14835	S06s	22-6	0910	Mon	872 910 5 33760 46632 80233 36973 38084 910 5 00000	USB	(AB)
12935	S06s	23-6	0810	Tue	352 804 6 37218 30443 35801 32940 46873 81279 804 6 00000	USB	(AB)
11565	S06s	24-6	0530	Wed	464 903 5 35813 35212 43851 45385 49844 903 5 00000	USB	(AB)
12560	S06s	24-6	0540	Wed	464 903 5 35813 35212 43851 45385 49844 903 5 00000	USB	(AB)
12110	S06s	24-6	0730	Wed	745 962 8 32618 41322 86067 35487 44036 36860 37188 48253 962 8 00000	USB	(AB)
14977	S06s	24-6	0740	Wed	745 962 8 32618 41322 86067 35487 44036 36860 37188 48253 962 8 00000	USB	(AB)
9485	S06s	24-6	0820	Wed	471 528 6 38021 33619 32714 35329 93102 44786 528 6 00000	AM	(AB)
11085	S06s	24-6	0830	Wed	471 528 6 38021 33619 32714 35329 93102 44786 528 6 00000	AM	(AB)
14580	S06s	24-6	1000	Wed	629 540 6 32527 36393 36783 86934 43133 30314 540 6 00000	AM	(AB)
16020	S06s	24-6	1010	Wed	629 540 6 32527 36393 36783 86934 43133 30314 540 6 00000	AM	(AB)
12952	S06s	25-6	0900	Thu	167 489 5 20534 11160 43494 37638 16070 489 5 00000	USB	(AB)
13565	S06s	25-6	0910	Thu	167 489 5 20534 11160 43494 37638 16070 489 5 00000	USB	(AB)
9255	S06s	25-6	0930	Thu	314?? barely audible	USB	(AB)
13145	S06s	25-6	1200	Thu	425 930 6 16945 80744 86200 84705 42227 61736 930 6 00000	AM	(AB)
14535	S06s	25-6	1210	Thu	425 930 6 16945 80744 86200 84705 42227 61736 930 6 00000	AM	(AB)
7845	S06s	26-6	0600	Fri	196 480 5 83086 62060 83138 39760 18969 480 5 00000	USB	(AB)
9125	S06s	26-6	0610	Fri	196 480 5 83086 62060 83138 39760 18969 480 5 00000	USB	(AB)
16320	S06s	28-6	0630	Sun	524 981 6 46800 37901 43784 34114 30527 30953 981 6 00000	USB	(AB)
14875	S06s	28-6	0640	Sun	524 981 6 46800 37901 43784 34114 30527 30953 981 6 00000	USB	(AB)
8221	S06s	29-6	0830	Mon	371 371 371 00000	USB	(AB)
9353	S06s	29-6	0840	Mon	371 371 371 00000	USB	(AB)
16380	S06s	29-6	0900	Mon	872 872 872 00000	USB	(AB)
14835	S06s	29-6	0910	Mon	872 872 872 00000	USB	(AB)
10230	S06s	29-6	1200	Mon	831 831 831 00000	USB	(AB)
12165	S06s	29-6	1210	Mon	831 831 831 00000	USB	(AB)
14373	S06s	30-6	0800	Tue	325 325 325 00000	USB	(AB)
12935	S06s	30-6	0810	Tue	325 325 325 00000	USB	(AB)
16530	S11a	1-6	1015	Mon	478/35 ?? barely audible	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
5149	S11a	2-6	0455	Tue	321/00	USB	(AB)
8530	S11a	2-6	0915	Tue	484/00	USB	(AB)
11581	S11a	2-6	1020	Tue	426/00	USB	(AB)
4870	S11a	3-6	1955	Wed	376/31 Vnimanie 85525 76275 22812 ... 69954 77158 44793 Vnimanie, rpt msg, out	USB	(AB)
5149	S11a	5-6	0455	Fri	321/00	USB	(AB)
8530	S11a	5-6	0915	Fri	484/00	USB	(AB)
11581	S11a	5-6	0915	Fri	426/00	USB	(AB)
8530	S11a	9-6	0915	Tue	484/00	USB	(AB)
11581	S11a	9-6	1020	Tue	426/00	USB	(AB)
4870	S11a	10-6	1955	Wed	371/00	USB	(GHn)
5149	S11a	12-6	0455	Fri	321/00	USB	(AB)
8530	S11a	12-6	0915	Fri	484/00	USB	(AB)
11581	S11a	12-6	1020	Fri	426/00	USB	(AB)
8530	S11a	16-6	0915	Tue	484/00	USB	(AB)
11581	S11a	16-6	1020	Tue	420/38 Vnimanie 49278 51422 13414 ... 37115 53682 08602 Vnimanie, rpt msg, konec	USB	(AB)
8530	S11a	19-6	0915	Fri	484/00	USB	(AB)
11581	S11a	19-6	1020	Fri	420/38 Vnimanie 49468 51422 13414 ... 37115 53682 08602 Vnimanie, rpt msg, konec	USB	(AB)
16530	S11a	22-6	1015	Mon	475/00	USB	(AB)
11581	S11a	23-6	1020	Tue	426/00	USB	(AB)
11581	S11a	26-6	1020	Fri	426/00	USB	(AB)
4870	S11a	26-6	1955	Fri	371/00	USB	(AB)
4625	S28	1-6	1333	Mon	MDZhB 08 236 VZODRANIYe 7604 0213	USB	(AB)
4625	S28	1-6	1435	Mon	MDZhB 61 803 IZOGALINA 2977 8268	USB	(AB)
4625	S28	4-6	1426	Thu	MDZhB 92 682 UZKIJ 0369 4782	USB	(Priyom)
4625	S28	4-6	1546	Thu	Short breakdown on Kerro tx site (Irtysh)	USB	(Priyom)
4625	S28	4-6	1853	Thu	Short breakdown on Kerro tx site (Irtysh)	USB	(Priyom)
4625	S28	7-6	1243	Sun	MDZhB 91 027 VZDYeRZhKA 2963 2439	USB	(Priyom)
4625	S28	7-6	2017	Sun	Marker generator power failure	USB	(Priyom)
4625	S28	7-6	2033	Sun	Inaudible. Short breakdown on Kerro tx site (Irtysh)	USB	(Priyom)
4625	S28	8-6	1000	Mon	MDZhB 41 915 VZVOZ 5004 3163	USB	(Priyom)
4625	S28	8-6	1059	Mon	MDZhB 86 500 IZAchYeN 7837 7002	USB	(Priyom)
4625	S28	8-6	1104	Mon	MDZhB 67 520 AZARINA 9231 7667	USB	(Priyom)
4625	S28	11-6	0805	Thu	MDZhB 06 556 DZhYeMPYeR 1248 3324	USB	(Priyom)
4625	S28	11-6	0825	Thu	MDZhB 03 352 DZhAVYeC 5313 5009	USB	(Priyom)
4625	S28	11-6	1358	Thu	MDZhB 78 373 VYeShNIJ 5238 8698	USB	(Priyom)
4625	S28	11-6	1457	Thu	MDZhB 46 393 NYeChUTKOST' 8692 9878	USB	(Priyom)
4625	S28	15-6	0928	Mon	MDZhB 79 348 VYeChYeYa 2626 2962	USB	(Priyom)
4625	S28	15-6	1057	Mon	MDZhB 58 626 PYeHOTINYeC 6755 5011	USB	(Priyom)
4625	S28	16-6	0929	Tue	MDZhB 97 647 NYeTYNDA 6770 5294	USB	(Priyom)
4625	S28	16-6	0958	Tue	MDZhB 15 548 MYeTROKIN 7787 1578	USB	(Priyom)
4625	S28	16-6	1052	Tue	MDZhB 15 085 CYeTRARIJ 9828 7654	USB	(Priyom)
4625	S28	18-6	1334	Thu	MDZhB 57 959 VYeTIVINOL 2378 3591	USB	(Priyom)
4625	S28	18-6	1424	Thu	MDZhB 59 199 MYeTIACIL 8013 7846	USB	(Priyom)
4625	S28	18-6	1541	Thu	MDZhB 55 764 NYeTVYeRDYJ 3912 0447	USB	(Priyom)
4625	S28	18-6	1712	Thu	MDZhB 56 447 PYeTALIT 5785 1186	USB	(Priyom)
4625	S28	22-6	1248	Mon	MDZhB 72 408 MYeTAKSIT 2839 2100	USB	(Priyom)
4625	S28	22-6	1325	Mon	MDZhB 21 556 NYeSUSShchIJ 3698 3417 FYeSTUKA 6726 3463	USB	(Priyom)
4625	S28	22-6	1529	Mon	MDZhB 36 781 BESSChYeTNYJ 0485 7799	USB	(Priyom)
4625	S28	22-6	1727	Mon	MDZhB 32 588 BYeSSOYuZNYJ 6510 1139	USB	(Priyom)
4625	S28	29-6	1312	Mon	MDZhB 33 378 KYeRNIT 9181 5772	USB	(Priyom)
4625	S28	29-6	1341	Mon	MDZhB 56 511 TYeRKA 5601 8520	USB	(Priyom)
4625	S28	29-6	1341	Mon	MDZhB 62 026 PYeRLOVICA 9989 9604. Duty officer forgot to switch off the marker	USB	(Priyom)
5448	S30	1-6	0505	Mon	61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8MV	USB	(Priyom)
5448	S30	1-6	1335	Mon	8S1Shch 49 969 GANZA 9013 4883	USB	(Priyom)
5448	S30	1-6	1417	Mon	8S1Shch 23 376 KANTILYeNa 0064 8423. Error on first read in codeword	USB	(Priyom)
3756	S30	2-6	2008	Tue	F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS	USB	(Priyom)
3756	S30	7-6	1740	Sun	L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CSchJ	USB	(Priyom)
3756	S30	9-6	1844	Tue	KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27	USB	(Priyom)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3756	S30	10-6	1738	Wed	ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA INNC	USB	(Priyom)
3756	S30	17-6	1746	Wed	FY5E F61N Z7CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B	USB	(Priyom)
5448	S30	18-6	1548	Thu	8S1Shch 22 201 OTDYeLOChNIK 8306 6522	USB	(Priyom)
5448	S30	19-6	0415	Fri	27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O CIHS	USB	(Priyom)
5448	S30	19-6	1500	Fri	8S1Shch 95 499 SIGNALIST 8111 6244	USB	(Priyom)
5448	S30	19-6	1529	Fri	8S1Shch 29 190 ORYeADA 8810 1603	USB	(Priyom)
5448	S30	19-6	1604	Fri	8S1Shch weather forecast	USB	(Priyom)
5448	S30	22-6	1528	Mon	8S1Shch 24 316 DICIAN 9614 4795	USB	(Priyom)
5448	S30	22-6	1721	Mon	8S1Shch 87 030 INMAR 8708 7080	USB	(Priyom)
5448	S30	23-6	1611	Tue	ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO	USB	(Priyom)
3756	S30	24-6	1737	Wed	F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS	USB	(Priyom)
3756	S30	27-6	1859	Sat	Y8VM 6I2Zh 8CSchchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI	USB	(Priyom)
3756	S30	28-6	1814	Sun	F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG	USB	(Priyom)
7009	S32	1-6	1340	Mon	ALFA-45 75 354 TRANSFYeRIT 7751 9912	USB	(Priyom)
7009	S32	1-6	1423	Mon	ALFA-45 15 199 VORONYeC 3142 3842	USB	(Priyom)
7009	S32	3-6	0845	Wed	SLIVA-94 STOROZh-62 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32	USB	(Priyom)
3828	S32	3-6	1209	Wed	ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27	USB	(Priyom)
7009	S32	3-6	1229	Wed	ALFA-45 60 378 DIRBORNYeC 5261 4706	USB	(Priyom)
7009	S32	3-6	1749	Wed	LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40	USB	(Priyom)
7009	S32	4-6	0551	Thu	ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27 LANDYSh-74 NYeVKA-26	USB	(Priyom)
7009	S32	4-6	0845	Thu	ALFA-45 95 707 GIDROReYezHIM 2112 1484	USB	(Priyom)
7009	S32	4-6	0850	Thu	Test count: 1 2 3 4 5 6 7 8 9 10	USB	(Priyom)
7009	S32	4-6	0900	Thu	ALFA-45 82 062 NYePRUDA 0985 8187	USB	(Priyom)
7009	S32	4-6	0917	Thu	ALFA-45 80 322 PARAFUKSIN 0165 4607	USB	(Priyom)
7009	S32	4-6	0926	Thu	ALFA-45 68 545 KUTUZKA 4936 2605	USB	(Priyom)
7009	S32	4-6	0954	Thu	ALFA-45 95 707 DRUZhBA 8524 0457	USB	(Priyom)
7009	S32	4-6	1017	Thu	ALFA-45 39 064 SYeKKO 9874 7416 ORBYeNIN 9721 4190	USB	(Priyom)
7009	S32	4-6	1033	Thu	DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40 STAZHeR-29 KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68	USB	(Priyom)
7009	S32	4-6	1128	Thu	ALFA-45 80 157 CYeRIN 4374 7089	USB	(Priyom)
7009	S32	4-6	1151	Thu	ALFA-45 24 536 SLICHATYeL' 7210 9104	USB	(Priyom)
7009	S32	4-6	1201	Thu	ALFA-45 14 388 TYeKTONIKA 4473 1236	USB	(Priyom)
7009	S32	4-6	1208	Thu	ALFA-45 50 569 GYeKSYeN 8150 3519	USB	(Priyom)
7009	S32	4-6	1305	Thu	ALFA-45 67 265 ATARAKSIYa 4542 5645	USB	(Priyom)
7009	S32	4-6	1318	Thu	ALFA-45 48 767 HABUR 9801 9913. Error while reading	USB	(Priyom)
7009	S32	4-6	1327	Thu	ALFA-45 82 424 DUNST 8037 1918	USB	(Priyom)
7009	S32	4-6	1427	Thu	ALFA-45 82 424 ZUBOChANIN 1724 3988	USB	(Priyom)
7009	S32	4-6	1439	Thu	ALFA-45 77 108 ZUBOChANIN 1724 3988	USB	(Priyom)
7009	S32	5-6	1102	Fri	LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40	USB	(Priyom)
7009	S32	5-6	1723	Fri	ALFA-45 81 353 DITOKS 2122 0586	USB	(Priyom)
7009	S32	5-6	1739	Fri	SLIVA-94 STOROZh-62 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32	USB	(Priyom)
7009	S32	6-6	1035	Sat	ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27 LANDYSh-74 NYeVKA-26	USB	(Priyom)
7009	S32	6-6	1047	Sat	ALFA-45 98 271 POPIRANIYe 2679 7166	USB	(Priyom)
7009	S32	7-6	1243	Sun	ALFA-45 10 096 KYuRIT 6789 9077	USB	(Priyom)
7009	S32	7-6	1601	Sun	LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40 STAZHeR-29 KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34	USB	(Priyom)
7009	S32	7-6	1931	Sun	ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27	USB	(Priyom)
7009	S32	8-6	0542	Mon	ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27 LANDYSh-74 NYeVKA-26	USB	(Priyom)
7009	S32	8-6	1003	Mon	ALFA-45 65 257 BODVA 7479 2605	USB	(Priyom)
7009	S32	8-6	1050	Mon	ALFA-45 18 563 LIMOPSIS 8794 5496	USB	(Priyom)
7009	S32	8-6	1106	Mon	ALFA-45 28 983 KUSHYeNIYe 7334 3680	USB	(Priyom)
7009	S32	9-6	1515	Tue	ALFA-45 13 662 HUNGARA 0279 8839	USB	(Priyom)
7009	S32	9-6	1517	Tue	ALFA-45 19 645 KATAPLYeIT 0759 7737	USB	(Priyom)
7009	S32	9-6	1704	Tue	SLIVA-94 STOROZh-62 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32 ALEUT-09 UTYoS-94 KOVBOJ-39 YaHTA-94 PYeNZ-07 ZASLONKA-27	USB	(Priyom)
3828	S32	9-6	1844	Tue	LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40	USB	(Priyom)
7009	S32	10-6	0530	Wed	LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40 UTYoS-94 ALEUT-09 KOVBOJ-39	USB	(Priyom)
7009	S32	10-6	1030	Wed	YaHTA-94 PYeNZ-07 ZASLONKA-27 ROSA-64 RUZh'E-26 BIZON-64 STUPA-32 STOROZh-62	USB	(Priyom)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3828	S32	10-6	1209	Wed	SLIVA-94 STAZHER-29 KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34	USB	(Priyom)
7009	S32	11-6	0500	Thu	ALFA-45 64 015 POKOJ 9993 2184	USB	(Priyom)
7009	S32	11-6	0809	Thu	ALFA-45 33 281 OFTAL'MIYa 3832 7768	USB	(Priyom)
7009	S32	11-6	0827	Thu	ALFA-45 39 239 GASTRANA 1491 7921	USB	(Priyom)
7009	S32	11-6	1209	Thu	YaHTA-94 PYeNZa-07 ZASLONKA-27 ROSA-64 RUZH'E-26 BIZON-64 STUPA-32 STOROZh-62 LANDYSh-74 NYeVKA-26 DZhIGIT-46	USB	(Priyom)
3828	S32	11-6	1932	Thu	KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34 KOVBOJ-39	USB	(Priyom)
3828	S32	12-6	1831	Fri	LANDYSh-74 NYeVKA-26 DZhIGIT-46 PYeSOChNYJ-21 KURGAN-40 UTyoS-94 ALEUT-09	USB	(Priyom)
7009	S32	13-6	0854	Sat	STUPA-32 STOROZh-62 LANDYSh-74 NYeVKA-26 DZhIGIT-46	USB	(Priyom)
7009	S32	13-6	1350	Sat	ALFA-45 05 567 LASOTA 8253 3871	USB	(Priyom)
7009	S32	13-6	1600	Sat	YaHTA-94 PYeNZa-07 ZASLONKA-27 ROSA-64 RUZH'E-26 BIZON-64 KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34 KOVBOJ-39	USB	(Priyom)
7009	S32	16-6	0933	Tue	ALFA-45 50 047 PRIVYKANIYe 4970 3191	USB	(Priyom)
7009	S32	16-6	0937	Tue	ALFA-45 24 129 POdbORODOK 0014 0257	USB	(Priyom)
7009	S32	16-6	1002	Tue	ALFA-45 31 164 ANALOJ 4247 6368	USB	(Priyom)
7009	S32	16-6	1634	Tue	ALFA-45 PARAFUKSIN 00 16	USB	(Priyom)
7009	S32	17-6	0601	Wed	ALFA-45 ORBYeNIN 46 07 with PIP (S30) on background	USB	(Priyom)
7009	S32	17-6	0653	Wed	Test count: 1 2 3 4 5 6 7 8 9 10	USB	(Priyom)
7009	S32	17-6	0926	Wed	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27 STUPA-32	USB	(Priyom)
7009	S32	17-6	1101	Wed	STAZhYeR-29 KURGAN-40 11 641 86 021 ZAShchiTNYJ 6320 0872	USB	(Priyom)
7009	S32	17-6	1253	Wed	ALFA-45 93 010 KINAZ 6592 1311	USB	(Priyom)
7009	S32	17-6	1454	Wed	ALFA-45 92 650 VYeRTOGRAD 7067 0655	USB	(Priyom)
7009	S32	17-6	1757	Wed	STAZhYeR-29 KURGAN-40 58 089 29 126 DISPYeRSIYa 4642 9783	USB	(Priyom)
3828	S32	17-6	1832	Wed	RUZH'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 DUBLYoR-68	USB	(Priyom)
3828	S32	17-6	1938	Wed	STAZhYeR-29 KURGAN-40 20 515 59 042 SONURA 7806 1736	USB	(Priyom)
3828	S32	17-6	1953	Wed	STAZhYeR-29 KURGAN-40 56 939 50 139 KRYeShchYeNIYe 8541 5625	USB	(Priyom)
3828	S32	17-6	2008	Wed	STAZhYeR-29 KURGAN-40 62 102 74 082 DYeKAMYeTRIN 0559 7423	USB	(Priyom)
3828	S32	17-6	2038	Wed	STAZhYeR-29 KURGAN-40 56 206 07 860 FAL'ShIFKA 1303 1376	USB	(Priyom)
3828	S32	17-6	2258	Wed	STAZhYeR-29 KURGAN-40 46 115 53 260 ESSYe 6558 1954	USB	(Priyom)
7009	S32	18-6	0554	Thu	KARTA-11 OTPOR-89 ShULER-60 DUBLYoR-68 FONTAN-34 KOVBOJ-39 DZhIGIT-46 NYeVKA-26	USB	(Priyom)
7009	S32	18-6	0600	Thu	ALFA-45 YeDINSTVO 55 58	USB	(Priyom)
7009	S32	18-6	0905	Thu	ALFA-45 40 139 KYeL'TSKIJ 0805 0400	USB	(Priyom)
3828	S32	18-6	1831	Thu	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27 STUPA-32 STOROZh-62	USB	(Priyom)
7009	S32	20-6	0545	Sat	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27 STUPA-32 STOROZh-62 NYeVKA-26	USB	(Priyom)
7009	S32	21-6	1243	Sun	ALFA-45 32 856 VYROZhDYeNIYe 2679 3589 with PIP (S30) on background	USB	(Priyom)
7009	S32	21-6	1332	Sun	STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 DUBLYoR-68 with PIP (S30) on background	USB	(Priyom)
7009	S32	21-6	1733	Sun	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 with PIP (S30) on background	USB	(Priyom)
3828	S32	21-6	1820	Sun	RUZH'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07	USB	(Priyom)
7009	S32	22-6	0707	Mon	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 STUPA-32 with PIP (S30) on background	USB	(Priyom)
7009	S32	22-6	1532	Mon	ALFA-45 54 519 VChYeRASHNIJ 7921 0594	USB	(Priyom)
7009	S32	22-6	1722	Mon	ALFA-45 22 705 DUNST 9967 0946 with PIP (S30) on background	USB	(Priyom)
7009	S32	24-6	0712	Wed	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
7009	S32	24-6	1302	Wed	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27 with PIP (S30) on background	USB	(Priyom)
7009	S32	24-6	1442	Wed	ALFA-45 12 581 SYeKTYeT 1561 4432 with PIP (S30) on background	USB	(Priyom)
7009	S32	25-6	0711	Thu	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
7009	S32	25-6	1028	Thu	ALEUT-09 ZASLONKA-27 KARTA-11 OTPOR-89 FONTAN-34 STUPA-32 PYeSOChNYJ-21 DZhIGIT-46 ShULER-60 KOVBOJ-39 NYeVKA-26 STUPA-32 with PIP (S30) on background	USB	(Priyom)
7009	S32	25-6	1110	Thu	ALFA-45 52 334 PAZUShNYJ 1218 3342 Pip (s30) is sending monolith signal on background	USB	(Priyom)
7009	S32	25-6	1115	Thu	ALFA-45 65 645 KRIGLA 1771 7423 with PIP (S30) on background	USB	(Priyom)
7009	S32	25-6	1153	Thu	ALFA-45 04 445 PRISTADA 1423 5468 with PIP (S30) on background	USB	(Priyom)
7009	S32	25-6	1205	Thu	ALFA-45 97 579 RAZGRAfKA 5136 4784 with PIP (S30) on background	USB	(Priyom)
7009	S32	25-6	1211	Thu	ALFA-45 53 663 ORYeADA 4645 4491 with PIP (S30) on background	USB	(Priyom)
7009	S32	25-6	1213	Thu	ALFA-45 27 583 PORKA 8123 1904 with PIP (S30) on background	USB	(Priyom)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
7009	S32	25-6	1325	Thu	RUZh'E-26 BIZON-64 PyeSOChNYJ-21 ShULER-60 PENZA-07 with PIP (S30) on background	USB	(Priyom)
7009	S32	25-6	1551	Thu	KURGAN-40 DUBLYoR-68 STUPA-32 STOROZh-62 NYeVKA-26 KARTA-11 SLIVA-94 KOVBOJ-39	USB	(Priyom)
7009	S32	28-6	1246	Sun	ALFA-45 81 268 KYuRIT 7362 6967 with PIP (S30) on background	USB	(Priyom)
3828	S32	28-6	1840	Sun	RUZh'E-26 BIZON-64 PyeSOChNYJ-21 ShULER-60 PENZA-07	USB	(Priyom)
3828	S32	28-6	2140	Sun	STOROZh-62 KARTA-11 KOVBOJ-39 with PIP (S30) on background	USB	(Priyom)
7009	S32	29-6	1057	Mon	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
7009	S32	30-6	0835	Tue	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
3828	S32	30-6	1840	Tue	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
5292	S4292	24-6	0859	Wed	FAZAN-37 73 298 RYeShAYuShchIJ 2643 8634	USB	(Priyom)
5292	S4292	24-6	0909	Wed	TRYeL'-31 64 820 OSNOVANIYe 6251 2649 counting before the signal	USB	(Priyom)
5292	S5292	2-6	0740	Tue	Test count: 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	2-6	0800	Tue	FAZAN-37 25 415 AMBROZIYa 2131 3746	USB	(Priyom)
5292	S5292	2-6	0838	Tue	VOSHOD-30 36 252 UL'FIKA 2843 3932	USB	(Priyom)
5292	S5292	8-6	0914	Mon	FAZAN-37 83 838 ZAMYeTNyJ 3781 6538	USB	(Priyom)
5292	S5292	18-6	1258	Thu	FAZAN-37 02 191 URAGAN 3728 2837	USB	(Priyom)
5292.9	S5292	23-6	1940	Tue	Channel marker "B"	CW	(AB)
5292.9	S5292	30-6	1948	Tue	Channel marker "B"	CW	(AB)
3580	UM01	2-6	2055	Tue	CQ P 19	CW	(JPL-Sib)
3580	UM01	3-6	0147	Wed	CQ P 16 (IP - Cont'd - 0147z)	CW	(JPL-Sib)
3580	UM01	3-6	0549	Wed	CQ P 20 (IP - Cont'd - 0549z - Long zero)	CW	(JPL-Sib)
3580	UM01	3-6	0640	Wed	CQ P 21 (IP - Cont'd - 0640z)	CW	(JPL-Sib)
3504	UM10	2-6	1647	Tue	Unid 10-mins net: WF3A //4224 kHz	CW	(JPL-Sib)
4224	UM10	2-6	1647	Tue	Unid 10-mins net: WF3A //3504 kHz	CW	(JPL-Sib)
3504	UM10	6-6	1846	Sat	Unid 10-mins net: WF3A //4224 kHz	CW	(JPL-Sib)
4224	UM10	6-6	1846	Sat	Unid 10-mins net: WF3A //3504 kHz	CW	(JPL-Sib)
4224	UM10	10-6	1543	Wed	Unid 10-mins station: WF3A //3504 kHz	CW	(JPL-Sib)
3504	UM10	10-6	1543	Wed	Unid 10-mins station: WF3A //4224 kHz	CW	(JPL-Sib)
3959	UM10	16-6	1519	Tue	Unid 10-mins net: JZWG //3265 kHz	CW	(JPL-Sib)
3265	UM10	16-6	1519	Tue	Unid 10-mins net: JZWG //3959 kHz	CW	(JPL-Sib)
4224	UM10	18-6	1847	Thu	Unid 10-mins net: WF3A	CW	(JPL-Sib)
7554	V02a	11-6	2004	Thu	YL/SS 5FGs. Should be M08a	LSB	(DSch)
12182	V07	7-6	0700	Sun	112 112 112 000	USB	(Dan)
11182	V07	7-6	0720	Sun	112 112 112 000	USB	(Dan)
12182	V07	14-6	0700	Sun	112 112 112 000	USB	(Dan/HFD)
12182	V07	14-6	0700	Sun	112 0	USB	(HFD)
11182	V07	14-6	0720	Sun	112 112 112 000	USB	(Dan/HFD)
11182	V07	14-6	0720	Sun	112 0	USB	(HFD)
12182	V07	21-6	0700	Sun	112 112 112 000	USB	(Dan)
11182	V07	21-6	0720	Sun	112 112 112 000	USB	(Dan)
12182	V07	28-7	0700	Sun	Msg. Too weak to copy	USB	(Dan)
11182	V07	28-7	0730	Sun	Msg. Too weak to copy	USB	(Dan)
10282	V07	28-7	0740	Sun	Msg. Too weak to copy	USB	(Dan)
8073	VC03	21-6	1616	Sun	Chinese Air Defense	USB	(Sto)
19875	X06	2-6	0825	Tue	Mazielka. Sequence: 125643	USB	(AAI)
11545	X06	9-6	0935	Tue	Mazielka. Sequence: 534216	USB	(Sch)
10203	X06	18-6	1853	Thu	Mazielka. Sequence 215346	USB	(JPL-Sib)
14425	X06	19-6	0655	Fri	Mazielka. Sequence: 213546	USB	(AAI)
16224	X06	25-6	1345	Thu	Mazielka. Sequence: 164532	USB	(AB)
16222	X06	25-6	1345	Thu	Mazielka. Sequence: 164532	USB	(AAI)
9288	X06	26-6	0650	Fri	Mazielka. Sequence: 356412	USB	(AAI)
17463	X06	26-6	1135	Fri	Mazielka. Sequence: 256134	USB	(AAI)
17463	X06	26-6	1137	Fri	Mazielka. Sequence: 256134	USB	(AB)
10438	XPA	2-6	1730	Tue	491 491 000 04567 00001 00000 10140	MFSK-20/10Bd	(AB)
9938	XPA	2-6	1750	Tue	491 491 000 04567 00001 00000 10140	MFSK-20/10Bd	(AB)
9138	XPA	2-6	1810	Tue	491 491 000 04567 00001 00000 10140	MFSK-20/10Bd	(AB)
11409	XPA	3-6	0600	Wed	456 456 456 000 08539 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
13509	XPA	3-6	0620	Wed	456 456 456 000 08539 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
14609	XPA	3-6	0640	Wed	456 456 456 000 08539 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
10438	XPA	4-6	1730	Thu	09930 00215 9..732 37959 23603 ... 40270 45016 38695 45224 36764	MFSK-20/10Bd	(HFD)
9938	XPA	4-6	1750	Thu	09930 00215 9..732 37959 23603 ... 40270 45016 38695 45224 36764	MFSK-20/10Bd	(HFD)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
9138	XPA	4-6	1810	Thu	09930 00215 9..732 37959 23603 ... 40270 45016 38695 45224 36764	MFSK-20/10Bd	(MPJ/HFD)
11409	XPA	6-6	0600	Sat	456 456 456 000 06797 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	6-6	0620	Sat	456 456 456 000 06797 00001 00000 10140	MFSK-20/10Bd	(AB)
14609	XPA	6-6	0640	Sat	456 456 456 000 06797 00001 00000 10140	MFSK-20/10Bd	(AB)
10438	XPA	9-6	1730	Tue	491 1 09930 00215 93732 ... 38695 45224 36764	MFSK-20/10Bd	(AB)
9938	XPA	9-6	1750	Tue	491 1 09930 00215 93732 ... 38695 45224 36764	MFSK-20/10Bd	(AB)
9138	XPA	9-6	1810	Tue	491 1 09930 00215 93732 ... 38695 45224 36764	MFSK-20/10Bd	(AB)
11409	XPA	10-6	0600	Wed	456 456 456 000 05912 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	10-6	0620	Wed	456 456 456 000 05912 00001 00000 10140	MFSK-20/10Bd	(AB)
14609	XPA	10-6	0640	Wed	456 456 456 000 05912 00001 00000 10140	MFSK-20/10Bd	(AB)
10438	XPA	11-6	1730	Thu	491 1 03135 00199 13443 ... 14341 04568 57460	MFSK-20/10Bd	(AB)
9938	XPA	11-6	1750	Thu	491 1 03135 00199 13443 ... 14341 04568 57460	MFSK-20/10Bd	(AB/MPJ)
9138	XPA	11-6	1810	Thu	491 1 03135 00199 13443 ... 14341 04568 57460	MFSK-20/10Bd	(AB)
11409	XPA	13-6	0600	Sat	456 456 456 000 01779 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	13-6	0620	Sat	456 456 456 000 01779 00001 00000 10140	MFSK-20/10Bd	(AB)
14609	XPA	13-6	0640	Sat	456 456 456 000 01779 00001 00000 10140	MFSK-20/10Bd	(AB)
10438	XPA	16-6	1730	Tue	491 1 03135 00199 13443 ... 14341 04568 57460	MFSK-20/10Bd	(AB/MPJ)
9938	XPA	16-6	1750	Tue	491 1 03135 00199 13443 ... 14341 04568 57460	MFSK-20/10Bd	(AB/MPJ)
9138	XPA	16-6	1810	Tue	491 1 03135 00199 13443 ... 14341 04568 57460	MFSK-20/10Bd	(AB)
11409	XPA	17-6	0600	Wed	456 1 09501 00123 32149 ... 58778 87120 64076	MFSK-20/10Bd	(AB)
13509	XPA	17-6	0620	Wed	456 1 09501 00123 32149 ... 58778 87120 64076	MFSK-20/10Bd	(AB)
14609	XPA	17-6	0640	Wed	456 1 09501 00123 32149 ... 58778 87120 64076	MFSK-20/10Bd	(AB)
10438	XPA	18-6	1730	Thu	491 491 491 000 06423 00001 00000 10140	MFSK-20/10Bd	(AB)
9938	XPA	18-6	1750	Thu	491 491 491 000 06423 00001 00000 10140	MFSK-20/10Bd	(AB)
9138	XPA	18-6	1810	Thu	491 491 491 000 06423 00001 00000 10140	MFSK-20/10Bd	(AB)
11409	XPA	20-6	0600	Sat	456 1 09501 00123 32149 ... 58778 87120 64076	MFSK-20/10Bd	(AB)
13509	XPA	20-6	0620	Sat	456 1 09501 00123 32149 ... 58778 87120 64076	MFSK-20/10Bd	(AB)
14609	XPA	20-6	0640	Sat	456 1 09501 00123 32149 ... 58778 87120 64076	MFSK-20/10Bd	(AB)
10438	XPA	23-6	1730	Tue	491 491 491 000 08698 00001 00000 10140	MFSK-16/20Bd	(AB)
9938	XPA	23-6	1750	Tue	491 491 491 000 08698 00001 00000 10140	MFSK-16/20Bd	(AB)
9138	XPA	23-6	1810	Tue	491 491 491 000 08698 00001 00000 10140	MFSK-16/20Bd	(AB)
11409	XPA	24-6	0600	Wed	456 456 456 000 05408 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	24-6	0620	Wed	456 456 456 000 05408 00001 00000 10140	MFSK-20/10Bd	(AB)
14609	XPA	24-6	0640	Wed	456 456 456 000 05408 00001 00000 10140	MFSK-20/10Bd	(AB)
10438	XPA	25-6	1730	Thu	491 491 491 000 01770 00001 00000 10140	MFSK-20/10Bd	(AB)
9938	XPA	25-6	1750	Thu	491 491 491 000 01770 00001 00000 10140	MFSK-20/10Bd	(AB)
9138	XPA	25-6	1810	Thu	491 491 491 000 01770 00001 00000 10140	MFSK-20/10Bd	(AB)
11409	XPA	27-6	0600	Sat	456 456 456 000 06057 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	27-6	0620	Sat	456 456 456 000 06057 00001 00000 10140	MFSK-20/10Bd	(AB)
14609	XPA	27-6	0640	Sat	456 456 456 000 06057 00001 00000 10140	MFSK-20/10Bd	(AB)
10438	XPA	30-6	1730	Tue	491 491 491 000 06628 00001 00000 10140	MFSK-20/10Bd	(MPJ)
9938	XPA	30-6	1750	Tue	491 491 491 000 06628 00001 00000 10140	MFSK-20/10Bd	(MPJ)
9138	XPA	30-6	1810	Tue	491 491 491 000 06628 00001 00000 10140	MFSK-20/10Bd	(MPJ)
15884	XPA2	2-6	1900	Tue	msg	MFSK-16/20Bd	(HFD)
14984	XPA2	2-6	1920	Tue	msg	MFSK-16/20Bd	(HFD)
14384	XPA2	2-6	1940	Tue	msg	MFSK-16/20Bd	(HFD)
14738	XPA2	2-6	2100	Tue	09950 00001 00000 10140	MFSK-16/20Bd	(AB)
13438	XPA2	2-6	2120	Tue	09950 00001 00000 10140	MFSK-16/20Bd	(AB)
12138	XPA2	2-6	2140	Tue	09950 00001 00000 10140	MFSK-16/20Bd	(AB)
15884	XPA2	4-6	1900	Thu	01275 00117 44626 ... 31378 28697 06676	MFSK-16/20Bd	(AB)
14984	XPA2	4-6	1920	Thu	01275 00117 44626 ... 31378 28697 06676	MFSK-16/20Bd	(AB)
14384	XPA2	4-6	1940	Thu	01275 00117 44626 ... 31378 28697 06676	MFSK-16/20Bd	(AB/MPJ)
19514	XPA2	5-6	0700	Fri	05691 00001 00000 10140	MFSK-16/20Bd	(AB)
18214	XPA2	5-6	0720	Fri	05691 00001 00000 10140	MFSK-16/20Bd	(AB)
16167	XPA2	5-6	2100	Fri	03720 00001 00000 10140	MFSK-16/20Bd	(AAI)
14663	XPA2	6-6	2120	Sat	01086 00000 00000 00030	MFSK-16/20Bd	(AB)
14738	XPA2	7-6	2100	Sun	03405 00001 00000 10140	MFSK-16/20Bd	(AB)
19514	XPA2	9-6	0700	Tue	00251 00101 44709 ... 64966 21350 75650	MFSK-16/20Bd	(AB)
18214	XPA2	9-6	0720	Tue	00251 00101 44709 ... 64966 21350 75650	MFSK-16/20Bd	(AB)
16314	XPA2	9-6	0740	Tue	00251 00101 44709 ... 64966 21350 75650	MFSK-16/20Bd	(AB)
14984	XPA2	9-6	1920	Tue	06690 00089 07583 66238 23071 ... 04911 43144 61933 93200 44727	MFSK-16/20Bd	(MPJ)
14384	XPA2	9-6	1940	Tue	06690 00089 07583 66238 23071 ... 04911 43144 61933 93200 44727	MFSK-16/20Bd	(MPJ)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14738	XPA2	9-6	2100	Tue	09883 00001 00000 10140	MFSK-16/20Bd	(AAI)
14738	XPA2	9-6	2100	Tue	09883 00001 00000 10140	MFSK-16/20Bd	(AB/AAI)
15884	XPA2	11-6	1900	Thu	01669 00001 00000 10140	MFSK-16/20Bd	(AB)
14984	XPA2	11-6	1920	Thu	01669 00001 00000 10140	MFSK-16/20Bd	(AB)
14384	XPA2	11-6	1940	Thu	01669 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
19514	XPA2	12-6	0700	Fri	00251 00101 44709 ... 64966 21360 75650	MFSK-16/20Bd	(AB)
18214	XPA2	12-6	0720	Fri	00251 00101 44709 ... 64966 21360 75650	MFSK-16/20Bd	(AB)
16314	XPA2	12-6	0740	Fri	00251 00101 44709 ... 64966 21360 75650	MFSK-16/20Bd	(AB)
16167	XPA2	12-6	2100	Fri	06825 00107 23585 ... 38728 93594 40411	MFSK-16/20Bd	(AB/JNC/HFD)
14663	XPA2	12-6	2120	Fri	06825 00107 23585 ... 38728 93594 40411	MFSK-16/20Bd	(AB?HFD)
13923	XPA2	12-6	2140	Fri	06825 00107 23585 ... 38728 93594 40411	MFSK-16/20Bd	(AB/HFD)
16167	XPA2	13-6	2100	Sat	06825 00107 23585 ... 38728 93594 40411	MFSK-16/20Bd	(AB/JNC)
14663	XPA2	13-6	2120	Sat	06825 00107 23585 ... 38728 93594 40411	MFSK-16/20Bd	(AB/JNC)
13923	XPA2	13-6	2140	Sat	06825 00107 23585 ... 38728 93594 40411	MFSK-16/20Bd	(AB/JNC)
14738	XPA2	14-6	2100	Sun	04502 00073 61179 ... 37552 88616 50566	MFSK-16/20Bd	(AB/HFD)
13438	XPA2	14-6	2120	Sun	04502 00073 61179 ... 37552 88616 50566	MFSK-16/20Bd	(AB/HFD)
12138	XPA2	14-6	2140	Sun	04502 00073 61179 ... 37552 88616 50566	MFSK-16/20Bd	(AB/HFD)
19514	XPA2	16-6	0700	Tue	05691 00001 00000 10140	MFSK-16/20Bd	(AB)
18214	XPA2	16-6	0720	Tue	05691 00001 00000 10140	MFSK-16/20Bd	(AB)
16314	XPA2	16-6	0740	Tue	05691 00001 00000 10140	MFSK-16/20Bd	(AB)
14738	XPA2	16-6	2100	Tue	04502 00073 61179 ... 37552 88616 50566	MFSK-16/20Bd	(AB)
13438	XPA2	16-6	2120	Tue	04502 00073 61179 ... 37552 88616 50566	MFSK-16/20Bd	(AB)
12138	XPA2	16-6	2140	Tue	04502 00073 61179 ... 37552 88616 50566	MFSK-16/20Bd	(AB)
15884	XPA2	18-6	1900	Thu	06227 00001 00000 10140	MFSK-16/20	(AB/MPJ)
14984	XPA2	18-6	1920	Thu	06227 00001 00000 10140	MFSK-16/20	(AB/MPJ)
14384	XPA2	18-6	1940	Thu	06227 00001 00000 10140	MFSK-16/20	(AB/MPJ)
16167	XPA2	19-6	2100	Fri	03800 00001 00000 10140	MFSK-16/20Bd	(AB)
14663	XPA2	19-6	2120	Fri	03800 00001 00000 10140	MFSK-16/20Bd	(AB)
13923	XPA2	19-6	2140	Fri	03800 00001 00000 10140	MFSK-16/20Bd	(AB)
16167	XPA2	20-6	2100	Sat	01966 00001 00000 10140	MFSK-16/20Bd	(AB)
14663	XPA2	20-6	2120	Sat	01966 00001 00000 10140	MFSK-16/20Bd	(AB)
13923	XPA2	20-6	2140	Sat	01966 00001 00000 10140	MFSK-16/20Bd	(AB)
13438	XPA2	21-6	2120	Sun	03555 00065 55044 ... 59523 36349 10102	MFSK16-20Bd	(AB)
12138	XPA2	21-6	2140	Sun	03555 00065 55044 ... 59523 36349 10102	MFSK16-20Bd	(AB)
15884	XPA2	23-6	1900	Tue	00920 00103 64916 ... 47906 84880 00413	MFSK-16/20Bd	(AB/Dan)
14984	XPA2	23-6	1920	Tue	00920 00103 64916 ... 47906 84880 00413	MFSK-16/20Bd	(AB/Dan)
14384	XPA2	23-6	1940	Tue	00920 00103 64916 ... 47906 84880 00413	MFSK-16/20Bd	(AB)
14738	XPA2	23-6	2100	Tue	03566 00065 56645 ... 59223 36349 00002	MFSK-16/20Bd	(AB)
13438	XPA2	23-6	2120	Tue	03566 00065 56645 ... 59223 36349 00002	MFSK-16/20Bd	(AB)
12138	XPA2	23-6	2140	Tue	03566 00065 56645 ... 59223 36349 00002	MFSK-16/20Bd	(AB)
16167	XPA2	26-6	2100	Fri	00146 00102 25402 ... 80238 63306 35633 Signal raped by a radar	MFSK-16/20Bd	(AB)
16167	XPA2	27-6	2100	Sat	07530 00001 00000 10140	MFSK-16/20Bd	(AB)
14663	XPA2	27-6	2120	Sat	07530 00001 00000 10140	MFSK-16/20Bd	(AB)
13923	XPA2	27-6	2140	Sat	07530 00001 00000 10140	MFSK-16/20Bd	(AB)
14738	XPA2	28-6	2100	Sun	04108 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
13438	XPA2	28-6	2120	Sun	04108 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
12138	XPA2	28-6	2140	Sun	04108 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
19514	XPA2	30-6	0700	Tue	04477 00079 92051 ... 90083 82521 42157	MFSK-16/20Bd	(AB)
18214	XPA2	30-6	0720	Tue	04477 00079 92051 ... 90083 82521 42157	MFSK-16/20Bd	(AB)
16314	XPA2	30-6	0740	Tue	04477 00079 92051 ... 90083 82521 42157	MFSK-16/20Bd	(AB)
15884	XPA2	30-6	1900	Tue	07945 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14984	XPA2	30-6	1920	Tue	07945 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14384	XPA2	30-6	1940	Tue	07945 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14738	XPA2	30-6	2100	Tue	07889 00001 00000 10140	MFSK-16/20Bd	(AB)
13438	XPA2	30-6	2120	Tue	07889 00001 00000 10140	MFSK-16/20Bd	(AB)
12138	XPA2	30-6	2140	Tue	07889 00001 00000 10140	MFSK-16/20Bd	(AB)

CONTRIBUTORS

Only a handful of contributors this month. Come on ladies and gentlemen. Do what the people mentioned below also do: SHARE WHAT YOU HEAR. Without you there is NO Numbers and Oddities!!!

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JPL-Sib	JPL via remote rx Siberia
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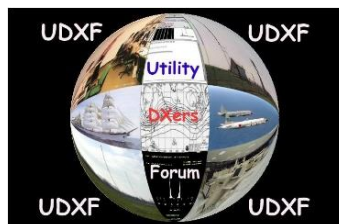
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676 27364 92650 89428 61288 74982 36498 32764 81276 81
86 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
791 87364 87265 96718 27638 12673 84769 28743 98127 5
8 63298 75698 27465 87326 49876 28376 81273 98615 86
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